

# NEXUS

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# NEXUS MAGAZINE

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**STATEMENT OF PURPOSE**

NEXUS recognises that humanity is undergoing a massive transformation. With this in mind, NEXUS seeks to provide 'hard-to-get' information so as to assist people through these changes. NEXUS is not linked to any religious, philosophical or political ideology or organisation.

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## Editorial

Exactly one year ago when I "penned" my editorial, I mused upon the likely effects of the dreaded "Y2K" or "Millennium Bug". People were busily upgrading computer systems, stockpiling food and essentials, preparing to party big-time, and sometimes doing all three. For most, the year entered with electricity, running water, and no screaming hordes to shoo away from the vegetable patch. Mind you, although Western civilisation did not screech to a grinding halt, there were many thousands of computer glitches and breakdowns which *did* inconvenience people somewhat.

The new year even gave birth to a new conspiracy theory: that Y2K was a beat-up to scare everyone into buying the latest hardware and software, and that this new computer gear has secret "back doors" to allow Big Brother computer systems to track your movements in cyberspace. Ironically, the latter notion is proving all too familiar in the light of more and more revelations that popular modern computer software is full of security holes, some of which are only usable by law enforcement agencies operating out of the USA. For this reason, I draw your attention to the article by Mike Ruppert on Promis software. Although we have mentioned Promis in other articles and news items, it has still not had enough attention. You will see what I mean when you read this article.

As more and more people become informed on the debate over vaccination, so the media and the system intensify their campaign to scare, intimidate or penalise those who refuse to inject toxins into their children. The debate will hopefully soon be raised on another aspect, that of adjuvants in vaccines. These additives, used in vaccines to "stimulate" the immune system, tend to be highly toxic. Trouble is, these poisons have side effects, especially in newborn babies. Every health-care and legal practitioner should read this latest article by Dr Viera Scheibner.

I also direct your attention to Simon Best's article on mobile phones. No doubt by now, every NEXUS reader is well aware that there are suspected risks. This article updates you on the debate over what are safe standards, what are the suspected pathways of damage, and how you can minimise the potential hazards from mobile/cellular phone use.

Back in 1992–93, NEXUS was proud to be the first to publish some of the research of New Zealand scientist/engineer Dr Robert Adams, inventor of the Adams Pulsed Electric Motor Generator. We've published a few items since, and recently Robert sent us some more releases, including his announcement that he is laying claim to the discovery of a "law of nature", which he has proclaimed "the Adams Law". We hope you're as fascinated with his findings as we are. Who knows...this could be history in the making!

The search for extraterrestrial intelligence has a new dimension to it—literally. This issue, Gavin Dingley's excellent "ParaSETI" article examines the work of several scientific pioneers whose records indicate that they may have received intelligent communications from extradimensional as well as extraterrestrial sources. This article helps open the door to a scientific understanding of the concept that life can exist in other "dimensions" as well as in other locations within this dimension.

Getting back to this space-time continuum, Michael Cremo's article then takes us back in time. Michael, the co-author of *Forbidden Archeology*, a book which challenges the mainstream version of pre-history, examines the findings of Carlos Ribeiro, a Portuguese geologist who in the 1860s found abundant and clear evidence of mankind in rock strata which has been dated at anywhere from 5 to 25 million years old!

Another article I encourage you to read is "The Secret Gold War", by David Guyatt. Is there really a secret tussle between the euro and the greenback? If so, is it part of a global cashless currency agenda? You be the judge.

Finally, I mention with sadness the passing of US scientist Dr Michael Wolf. I had the pleasure of having several conversations with Michael over the past few years. He was a charming gentleman, with a most extraordinary life. As a tribute, we are pleased to publish an interview with Dr Wolf, which Italian journalist Paola Harris conducted back in May.

I wish you all a peaceful, prosperous and happy festive season—and encourage you to eat all those dried, canned and frozen Y2K supplies before they pass their use-by dates!

Duncan

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# Letters to the Editor ...

## EMF Hazards in Vehicles

Dear Sir: It is my understanding that just recently we have obtained from the manufacturers of hand-held telephones the acknowledgement that concentrated usage of handsets could possibly be the cause of serious health problems, with a recommendation to restrict usage if at all possible until more data comes to hand.

This interested me to measure what level of emission was present on a telephone, as figures on emissions appeared not to be available. To do this, I used a TriField meter which I had purchased as a result of an advertisement in NEXUS some time ago, the subject of radiation fields being of personal interest.

The telephone handset I tested was a new model and found to have a level of 5 milligauss at the ear position. The TriField manufacturer indicates that anything over a threshold reading of 3 milligauss should have human exposure limited until more data can be sourced. This of course agrees with the warnings received, as noted above.

However, you can imagine that I was very disturbed when, quite by accident, I had occasion to switch the TriField meter on whilst sitting in my car with the engine running, and found that at chest level a reading of 6 milligauss was present and steady. Further investigation found at the vital parts of my anatomy a figure of 10, rising to over 100 milligauss at the feet position.

Just to make sure this was not a problem with my particular car, I tested a friend's new six-cylinder model and found his vehicle was reading 10 milligauss at chest level, rising again as it approached the bulkhead of the car. Both cars have east-to-west engine design, which is significant as when I tested an old north-to-south model I only got an insignificant 0.6 milligauss at chest level.

My concern is a personal one, having driven many thousands of kilometres being exposed to this radiation. Would any of your readers be able to offer any

thoughts about the following:

a) Has anybody in the world done any similar tests which would confirm my finding, and is this knowledge available?

b) Would the *prolonged* exposure to these levels of electromagnetic radiation have harmful health effects and, if so, what could be expected?

c) Would it be possible to shield the driver and passenger at the front from these radiations? Note: I have tried PVC and lead, but they both had no effect at all upon the results, which in itself was a worrying finding.

d) Could these radiations be responsible for the Western world's rise in cancers and decline in sperm count? After all, it is only from the Second World War onwards that many of our present-day illnesses have expanded, which correlates to the increased availability of cars.

e) Could these radiations cause driver fatigue?

f) I did not test heavy vehicles, but this would be worth investigation.

Thank you for your excellent publication. It makes fine reading, and I enjoy the US, NZ and European input.

Yours sincerely, Donald Kitchen, Sandford, Tas., Australia

## Alarm at Los Alamos

Dear Editor: You people do not mess around! Little did I expect not only to appear in your next issue but have my letter published verbatim. Forgive me if I exercise great care here in the writing of this second letter. One of my former colleagues is none other than Wen Ho Lee, and we all know what has been done to his life over the past nine months or so.

By the way, he was one of the "X" men working in Tech Area 55, called "Legacy". That information is all public now. That our citizens will so easily accept the government-issued information regarding this "Q" project is astounding. Does the public really think that the Chinese would be in search of making a smaller and more effective nuclear warhead? They have been at their

own testing and production for 35 years now. They make their own small enough, including the neutron varieties.

No, the Legacy Project is a whole lot more serious than they are leading everyone to believe. I will only venture the true significance of Legacy by inference.

In my last letter, I concluded with a comment about the danger inherent in discussing certain issues. That danger is not to people like you, who present whatever they can find in publications. By your very nature (and our government's super-effective disinformation program) you are safe. The danger lies with the people who have close working knowledge and hard evidence available to them that might possibly reach people like you.

I am sorry that I do not have physical evidence relating to the microfibre injection program used by the United States Secret Service and other Federal agencies. I was exposed to it only because the originating governmental laboratory workers assumed that I knew all about it. Incidentally, the substance is usually delivered by injection through a special drill which is run through a residence wall or car undercarriage. It can be done in seconds.

The entire program is not even classified, as that might involve entry into the Registered Publications Inventory (as all classified documents, confidential, secret and top secret, must meet the rigorous standards laid out under the guidelines of the Registered Publications System). You can see the dilemma.

Currently this substance, thought to be non-systemic and therefore not a health hazard, is administered into areas around the "subjects under surveillance" without warrant or notification of any kind to any person, law enforcement organisation or even court authority. If the program were to be classified, then it would entail some sort of consideration (at the very least legal) and also would enter the system in writing and become "memorialised" from that point on. As

you have come to know, much of the UFO data and work has been held the same way...more as a "trade secret" than a patent, if you will.

I will communicate again following your next issue. I will devote that correspondence to the ongoing antigravity propulsion program in another tech area of backwoods Los Alamos...and, yes, it was threatened but not damaged by this summer's wildfire. I am sorry that I must maintain the security of plain (unfingerprinted) bond and envelope without return address and stamp without possibility of DNA analysis. All international mail from the US to international designations is intercepted, and that is unfortunately legal.

Cherubim.

## Fluoride Studies Studied

To the Editors: Last week [w/c 2 October], news of the "York study" came out of Great Britain, intended to reassure us that water fluoridation is perfectly safe.

I guess the York study wasn't actually a study, as studies go, but was more a study of the studies, because this study didn't study animals or people, it studied studies. Although this was touted to be the study to end all studies, almost immediately both the Green Party and the Fluoride Action Network published their studies of the York study. These were then studies of the study that studied the studies.

The studies of the study that studied the studies pointed out that this study that had studied the studies had left some 3,000 studies unstudied, and they called for a study of studies that would study *all* studies and therefore *not* necessitate a study of the study of the studies as this study had done.

They were quick to stress that funding for studies is difficult to obtain and that, while studies that study studies are not so unusual, almost no one will give grants to do a study of studies that study studies.

It would be even more difficult to obtain funding to study the studies *not* studied by a study which studied the studies, such

# ... more Letters to the Editor

**NB: Please keep letters to approx. 200 to 250 words in length. Ed.**

that people studying the issue won't know which studies have been studied and which studies were excluded in the studies that studied the studies.

Study schmuddy...just don't put it in my water.

Don Caron, alison.blake@excite.com

## WWII Veterans Research

Dear Duncan: Since publishing my father's book, entitled *My World War Two* (non-commercial venture from own savings; see website [www.powis.8m.com](http://www.powis.8m.com)), I have received considerable feedback from the children of affected War veterans.

It is apparent that we have inherited nervous problems from parent(s) who suffered severe shell-shock during World War Two. Without exception, we all have an almost identical history of hypersensitivity, depression, etc.

I feel sure there must be a large number of your readers who suffer these or associated problems and are unaware that it is possibly due to excessive trauma experienced by their parent(s) during World War Two. As feedback continues to increase, the possibility of coincidence is ruled out and the overwhelming evidence I am receiving is showing a clear link. As further information becomes available, I intend to add the details to our website.

I realise you are probably inundated with e-mails and letters and your workload (as mine) is excessive, but space given to publish this e-mail will be much appreciated. Keep up the good work.

Sincerely, Chris, Hertfordshire, UK, [egn@cwcom.net](mailto:egn@cwcom.net)

## MI6 & the Diana Conspiracy

I'm angry. I've just read NEXUS 7/06, and in my estimation your publication has just gone through the floorboards. Why? Well, you published "On Her Majesty's Secret Service" by Stephen Dorril.

On the surface it looks very reputable, but take a closer look. Whilst at first glance it would appear to be based on a first-hand account by former MI6 agent

Richard Tomlinson, a closer examination reveals serious inconsistencies. In particular, where it says "...the Princess of Wales...had clearly been under some kind of surveillance... While all the stories linking MI6 to the Princess's death in the car accident in France have been complete nonsense, it has been alleged..." Dorril offers no evidence to back this claim that these stories are "nonsense"; he simply mentions this as a matter of fact.

However, if he had indeed been in contact with Tomlinson, he would know that MI6 were directly involved in Princess Diana's death. As evidenced by his affidavit to Judge Hervé Stephan's inquiry into her death and his subsequent interview with the Swiss magazine *New Idea*. Nowhere is this mentioned in the article; instead, we get a lot of waffle about "insider" information, code-names and suchlike, as if Dorril were trying to convince us that he was indeed privy to insider information.

Either he's kidding himself or, worse still, he's acting as part of a disinformation program pertaining to Princess Diana's death. And if that is indeed the case, you've bought it lock, stock and barrel.

To rectify matters, you should publish Tomlinson's affidavit or his interview with *New Idea*. And you should try to make amends because people's lives are on the line here. Photographer James Andanson, one of the first photographers on the scene of the crash, is already dead after his body was found recently in a burnt-out car in the south of France; whilst Tomlinson himself is under increasing pressure, being hounded from country to country, living in effect like a man without a home and maybe even without a future.

And while all this is going on, what does NEXUS do? It publishes a highly suspect article which offers no new insight into Tomlinson and his historic affidavit but merely confuses the matter still further. Shame on you, NEXUS.

R. Stewart, rixon1@netscape-online.co.uk

*[Dear R. Stewart: I don't have a problem with your criticism of Stephen Dorril's claim about MI6 and the Princess of Wales. The conspiracy angles have been heavily covered in the press and on the Internet for the last three years, and, though the truth is still unresolved, I thought our readers would be attuned enough to judge Dorril's claim accordingly. I've been planning to publish Tomlinson's affidavit for a while, so now is as good a time as ever; turn to deBriefings. Next issue, I hope to follow with an update on Mohammed Al Fayed's lawsuit against the US government and various agencies.]*

*Whilst I also disagree with some of Dorril's conclusions, I'm sure you can see there are items in the article which can be used to support other points of view. I like to believe that NEXUS readers cast a wide information net, and I believe there were a few "fishes" in that item.*

*Incidentally, Stephen Dorril has refused us permission to publish part two of the extract from his book. He told me that he does not want his work associated with a magazine that covers UFOs! Go figure! Ed.]*

## Earth Expansion & Evolution

Dear Duncan: Re Global Expansion Tectonics in 7/06, what a wonderful piece of lateral thinking! Compliments to James Maxlow, and to you for doing it once again. The underlying story of the narrow-mindedness of scientists is one so often repeated that, sadly, it is now really a facet of "modern science" itself.

Take a look at the following paragraph from James Lovelock's *Gaia, The Practical Science of Planetary Medicine* (1991): "I am an old-fashioned scientist who believes, as Freeman Dyson put it in his book, *Infinite in All Directions*, that the ethic of science is based on fundamental open-mindedness, a willingness to subject every theory to analytical scrutiny and experimental test. The Royal Society of London in 1660 proudly took as its motto

the phrase *Nullius in verba*, meaning 'No man's word shall be final'. There is no place for infallibility in science. I was also brought up to believe that science was serious but not sacrosanct and that creative science required a sense of wonder and a sense of humour."

That about sums it up, I think. Lovelock also seems very relevant to the expansion theory itself, from two points of view. He talks about the radioactive core of the Earth, which produces the heat. If that is the case, and we are speaking about fission, then it makes sense, at least to an amateur physicist like me, that the density of the Earth's core is decreasing as atoms divide, causing expansion. Where does the idea of constant density come from: traditional science?

Also, I wonder to what extent James Maxlow has taken on board the planetary evolution proposed by Lovelock. I am thinking in particular of the atmosphere, and how it came about in symbiosis with life-forms. Just a question.

Anyway, nice one, and keep up the great work.

Grattan Healy, Belgium, [grattan\\_healy@compuserve.com](mailto:grattan_healy@compuserve.com)

## Rife Anti-Cancer Treatment

Dear Duncan: In Letters, vol. 7, no. 4, Ralph Cohen asks for people to contact him if they have had Rife treatment. I am not on the net or e-mail so can only do it through your column, which could help other readers.

After being told my cancer had spread, I refused chemotherapy and went over to Rotorua, New Zealand, for six weeks of treatment on the Rife machine, which is radiofrequency to stimulate the immune system. When I returned home, I had blood tests, ultrasound and a colonoscopy and was told that I was very lucky because they couldn't find any sign of cancer. That was 12 months ago, and I feel great.

The contact details are: Aidan Pargeter, Rotorua Naturopathic Centre, tel/fax +64 (0)7 346 3506.

Sincerely, Joy Overell, Currumbin Waters, Qld, Australia



## HYPERSENSITIVE SECURITY

New drug and explosives scanners, so sensitive that they can tell if you even *touched* a dangerous object days ago, may soon be coming to airports. The walk-through scanners are faster, more accurate and less invasive than any technology currently out there.

The trouble is that the machines touted for the job are *too* sensitive. The new detectors on trial offer atomic, single molecular or part-per-trillion level detection of explosives and drug-related chemical compounds—which raises the spectre of false-positive results.

It is well known that over 90 per cent of US banknotes in circulation have minute traces of cocaine on them. US Customs spokesman Bill Anthony told a story about a machine he once tried out that scans money for traces of drugs, but it delivered instead a lesson on how many hands your dollar bills probably pass through in a week.

"We took some of our commissioner's money—we got it out of a cash machine—and it showed traces of drugs. I put my money through. And mine all showed up with drugs," he said.

A similar test conducted in the UK found similar results.

(Sources: ABCNews.com, 26 September 2000; Intelligence, 26 June 2000)

## CAN FM RADIOWAVES PREDICT EARTHQUAKES?

In 1993, after roughly examining the correlation between abnormal electric waves and earthquakes, astronomer Yoshio Kushida was convinced that some fluctuating patterns in the VHF band appear several days before an earthquake.

Having analysed radio echoes from a number of FM stations across the country, Kushida believes he has found five basic wave patterns that appear several days before a major earthquake.

From January 1997 to September 1999,

Kushida, using these patterns, predicted specific date, strength and location of focus of 36 major earthquakes measuring a magnitude of 5 or stronger. The average margin of error in the dates predicted was 1.97 days. Kushida now claims he can specify the focus of most earthquakes within a radius of 50 kilometres.

The Institute of Physical and Chemical Research, a major quasi-governmental think tank, independently examined the correlation between earthquakes and Kushida's predictions and concluded the results were not random.

According to Kushida's hypothesis, before an earthquake electric charges accumulate on the Earth's surface due to the generation of numerous micro-cracks in magma. The charge and

discharge process of a capacitor formed with the Earth's surface and the ionosphere changes the density of electric plasma in the ionosphere, and the phenomenon is observed by the FM receiver.

(Source: The Japan Times, 19 September 2000, [www.japantimes.co.jp/](http://www.japantimes.co.jp/). For further information, access [www.yatsugatake-eorc.org/](http://www.yatsugatake-eorc.org/) or fax Yatsugatake South Base Observatory at +81 [0]551 38 4254.)

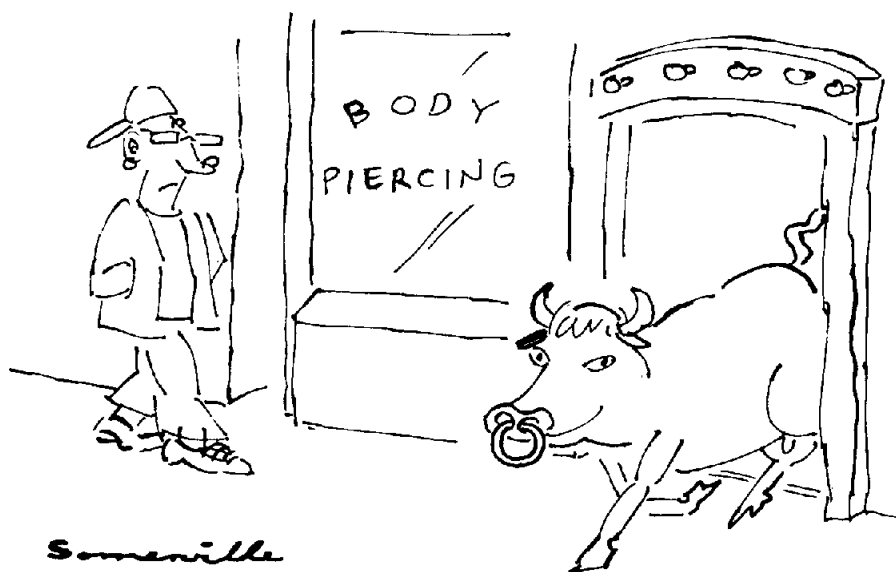
## AIRCRAFT CRASHES BLAMED ON MILITARY JET PULSES

Electromagnetic pulses from military aircraft may have been responsible for several civilian airline disasters in the past four years. If the theory is proved correct, it suggests navy ships and air force planes pose a lethal threat to passenger flights.

Crash investigators have been startled by similarities between several tragedies. In particular, they have uncovered common features in two crashes: Swissair 111, on 2 September 1998, and TWA 800, on 17 July 1996.

Both planes took off from the same airport, New York's JFK, on a Wednesday, at the same time, 8.19 pm. Both followed the same route over Long Island. Both reported trouble in the same region of airspace, and both suffered catastrophic electrical malfunctions. And on both occasions, the planes were flying at a time when extensive military exercises, involving submarines and US Navy P3 fighter planes, were being conducted.

(Source: The Observer, London, 10 September 2000, [www.observer.co.uk/](http://www.observer.co.uk/))



## EURO-FEDERALISTS FINANCED BY US SPY AGENCIES

Declassified United States government documents show that the US intelligence community ran a campaign in the 1950s and 1960s to build momentum for a united Europe. It funded and directed the European federalist movement.

The documents confirm suspicions voiced at the time that America was working aggressively behind the scenes to push Britain into a European state. One memorandum, dated July 26, 1950, gives instructions for a campaign to promote a fully-fledged European Parliament. It is signed by Gen. William J. Donovan, head of the American wartime Office of Strategic Services (OSS), precursor of the CIA.

The documents, found by Joshua Paul, a researcher at Georgetown University in Washington, include files released by the US National Archives.

Washington's main tool for shaping the European agenda was the American Committee for a United Europe, created in 1948. The chairman was Donovan, ostensibly a private lawyer by then. The vice-chairman was Allen Dulles, the CIA director in the 1950s. The board included Walter Bedell Smith, the CIA's first director, and a roster of ex-OSS figures and officials who moved in and out of the CIA.

The documents show that ACUE financed the European Movement, the most important federalist organisation in the post-war years. In 1958, for example, it provided 53.5 per cent of the movement's funds.

The European Youth Campaign, an arm of the European Movement, was wholly funded and controlled by Washington. The Belgian director, Baron Boel, received monthly payments into a special account. When the head of the European Movement, Polish-born Joseph Retinger, bridled at this degree of American control and tried to raise money in Europe, he was quickly reprimanded.

The leaders of the European Movement—Retinger, the visionary Robert Schuman and the former Belgian Prime Minister Paul-Henri Spaak—were all treated as hired hands by their American sponsors. The US role was handled as a covert operation. ACUE's funding came from the Ford and Rockefeller foundations as well as business groups with close ties to the US government.

The head of the Ford Foundation, ex-

OSS officer Paul Hoffman, doubled as head of ACUE in the late 1950s.

The State Department also played a role. A memo from the European section, dated June 11, 1965, advises the Vice-President of the European Economic Community, Robert Marjolin, to pursue monetary union by stealth. It recommends suppressing debate until the point at which "adoption of such proposals would become virtually inescapable".

(Source: *By Ambrose Evans-Pritchard, The Telegraph, London, 19 September 2000, www.telegraph.co.uk*)

## BUSH BEATS GORE IN THE BLUE-BLOOD STAKES

If royal genes have anything to do with electoral success, then Republican US presidential candidate George W. Bush will be the next man in the White House, according to Britain's blue blood "bible".

*Burke's Peerage*, a respected guide to the breeding of the aristocracy, said that both Bush and his rival Al Gore are of royal descent, but investigations deep into their heritage show Bush has far more noble and royal connections.

Bush is closely related to every European monarch on and off the throne—including the King of Albania—and has kinship with every member of Britain's royal family, the House of Windsor.

He is a 13th cousin of Britain's Queen Mother, and of her daughter Queen Elizabeth, and is a 13th cousin once removed of the heir to the throne, Prince Charles. Bush's family tree can be docu-

mented as far back as the early 15th century. He has a direct descent from Henry III and from Henry VIII's sister Mary Tudor, who was also the wife of Louis XI of France. He is also descended from Charles II of England.

"Never in the history of the United States have two presidential candidates been as well endowed with royal alliances," said Harold Brooks-Baker, publishing director of *Burke's Peerage*.

Brooks-Baker said there had always been a significant "royalty factor" in those who aspired to the White House, with Presidents George Washington, Thomas Jefferson, Theodore Roosevelt, Franklin Roosevelt and Ronald Reagan, among others, all boasting blue-blood links.

Democrat candidate Al Gore, who is currently lagging George W. Bush by one point in opinion polls ahead of US elections in November, has a less illustrious gene pool.

Being a descendant of Edward I, he is also a cousin of former US President Richard Nixon, who resigned from the White House in 1974 for his part in the Watergate scandal.

However, Gore does have direct links to the Holy Roman Empire. He is a descendant of Roman Emperors Louis II, Charles II and Louis I and is therefore also a direct descendant of Charlemagne, the eighth-century Emperor.

The problem is, Gore's Charlemagne links also make him a cousin of George W. Bush.

(Source: *Reuters, London, 17 October 2000*)



## SOLAR STUDIES MAY SHED LIGHT ON GLOBAL WARMING

A new hypothesis, pioneered by Henrik Svensmark of the Danish Space Research Institute in Copenhagen, links the amount of cosmic rays that strike Earth with cloud formation, which in turn affects atmospheric temperatures.

The Earth's magnetic field deflects many electrically charged particles, such as protons and atomic nuclei misleadingly known as cosmic "rays". The rest penetrate the atmosphere, where the shower turns electrically neutral air molecules and airborne vapours into charged ions. In that condition, two UCLA scientists argued in *Geophysical Research Letters* earlier this year, molecules are more prone to cluster into aggregations that make dense low-level clouds that shade the planet's surface. High, thin clouds typically warm the planet by trapping outgoing heat in the sky. But thick, umbrella-like low clouds have a net cooling effect.

By this logic, when the Sun's magnetic field is stronger—as it is, for example, during high sunspot activity—it deflects more cosmic rays, preventing them from hitting air molecules. Fewer cosmic rays mean fewer clouds, which means more warming.

Svensmark and colleagues reported their latest results at a conference, held in Spain during September, on "The Solar Cycle and Terrestrial Climate". Using data from the

International Satellite Cloud Climate Project, they found that the amount of cloud cover at elevations of two miles or lower is directly related to cosmic ray levels—at least over the period for which satellite data are available.

But Earth has been warming for more than a century. Has the Sun's field been strengthening that long?

Yes, according to Michael Lockwood and colleagues at the Rutherford Appleton Laboratory in England, who published exactly that result in the journal *Nature* last year.

Analysing instrument measurements taken since 1868, they concluded that the Sun's exterior magnetic field has increased by 230 per cent since 1901 and by 40 per cent since 1964.

(Source: The Washington Post, 9 October 2000)

## FDA ADVISORS TIED TO PHARMACEUTICAL COMPANIES

More than half of the experts hired to advise the US government on the safety and effectiveness of medicines have financial relationships with the pharmaceutical companies that will be helped or hurt by their decisions, a *USA Today* study has found.

These experts are hired to advise the Food and Drug Administration on which medicines should be approved for sale,

what the warning labels should say and how studies of drugs should be designed.

The experts are supposed to be independent, but *USA Today* found that 54 per cent of the time they have a direct financial interest in the drug or topic they are asked to evaluate. These conflicts include helping a pharmaceutical company develop a medicine, then serving on an FDA advisory committee that judges the drug.

The conflicts typically include stock ownership, consulting fees or research grants.

Federal law generally prohibits the FDA from using experts with financial conflicts of interest, but the FDA has waived the restriction more than 800 times since 1998.

These pharmaceutical experts, about 300 on 18 advisory committees, make decisions that affect the health of millions of Americans and billions of dollars in drugs sales. With few exceptions, the FDA follows the committees' advice.

The FDA reveals when financial conflicts exist, but it has kept details secret since 1992, so it is not possible to determine the amount of money or the drug companies involved.

(Source: USA Today, 25 September 2000, [www.usatoday.com/news/](http://www.usatoday.com/news/))

## SOUL-SEARCHING DOCTORS CONFIRM LIFE AFTER DEATH

A recent scientific study of "near-death" experiences (NDEs) has found new evidence to suggest that consciousness or the "soul" can continue to exist beyond "death".

The findings, by Dr Peter Fenwick, a consultant neuropsychiatrist at the Institute of Psychiatry in London, and Dr Sam Parnia, a clinical research fellow and registrar at Southampton General Hospital, were based on a year-long study of heart attack survivors, and could provoke fresh controversy over that most profound of questions: is there life after death?

Reports of "near-death" experiences, in which people close to death have vivid encounters with bright lights and heavenly beings, date back centuries, but the phenomenon has been treated with scepticism by most academics.

The new study concludes, however, that a number of people have almost certainly had these experiences after they were pronounced clinically dead. This would suggest that the mind or consciousness can survive the death of the brain.





During the study period, 63 cardiac arrest patients survived and were interviewed within a week. Seven survivors had NDE memories, but only four passed the Grayson scale—the strict medical criteria for assessing near-death experiences.

Dr Sam Parnia commented: "I started off as a sceptic but, having weighed up all the evidence, I now think that there is something going on.

"Essentially, it comes back to the question of whether the mind or consciousness is produced from the brain. If we can prove that the mind is produced by the brain, I don't think there is anything after we die because essentially we are conscious beings.

"If, on the contrary, the brain is like an intermediary which manifests the mind, like a television will act as an intermediary to manifest waves in the air into a picture or a sound, we can show that the mind is still there after the brain is dead. And that is what I think these near-death experiences indicate."

(Source: The Telegraph, London, 22 October 2000, [www.telegraph.co.uk](http://www.telegraph.co.uk))

## THE MICROCHIP THAT COULD BLOW YOUR MIND

A newly developed microchip, implanted into the body, will allow two people to share each other's pain, movement and even sexual excitement, claims an expert in artificial intelligence. The microchip could even see the "faked orgasm" banished from the bedroom and bring an end to the battle of the sexes, says its inventor, Professor Kevin Warwick.

Designed as a body implant, the chip will transmit signals from the nervous system of one person to that of another via an incision in the arm, enabling them to feel what the other is feeling. A transmitter is connected to nerves in the centre of the arm and the chips are then linked via an ordinary computer.

Besides the possible benefits for couples, Professor Warwick has also evaluated the possible damage that could be caused by the pioneering experiment.

"The biggest problem, apart from possible nerve damage and loss of feeling or movement, is mental," he said. "Will my brain be able to cope? The biggest risk is that I could go crazy."

(Source: Ananova, 5 October 2000, [www.ananova.com/news/story/sm\\_76805.html?nav\\_src=newsIndex+headline](http://www.ananova.com/news/story/sm_76805.html?nav_src=newsIndex+headline))

## VACCINES CONTAMINATED WITH MAD COW DISEASE?

On Friday 20 October, the UK Department of Health issued a recall notice for polio vaccines after it was found that the manufacturer, Medeva, had breached production health guidelines. Of particular concern is Medeva's use of potentially contaminated material from British cattle.

Eleven million doses of polio vaccine-containing material from British cattle have been administered to children and adults since BSE (mad cow disease) vaccine guidelines banned its use in 1989, according to the Department of Health.

The drug factory at the centre of the polio vaccine scandal has a history of contamination and production blunders, leading to fears that its vaccines against other diseases are unsafe.

Last year, investigators from the US Food and Drug Administration (FDA) were horrified by the conditions they found at the plant in Speke, near Liverpool, which also makes vaccines against flu, tuberculosis, tetanus and hepatitis B.

The Department of Health was forced to recall Medeva's oral polio vaccine after it was discovered that the firm had been using potentially BSE-infected material.

However, the problems surrounding the polio vaccine may prove to be the tip of the iceberg. A week-long inspection by the FDA last summer into the production of Fluvirin flu vaccine at the plant found Medeva had failed to:

- "clean, maintain and sanitise equipment at appropriate intervals to prevent malfunction or contamination";
- maintain systems to prevent unacceptable levels of toxins and bacteria contaminating the production process;
- ensure batches of vaccines "conformed with all established standards, specifications and characteristics"; and
- prove that vaccines would be free from "bacteria and fungi".

In October 1999, the FDA's director of compliance, Steven Masiello, fired off an official warning letter to Medeva's head of primary production, John O'Brian, telling him to sort out the problems or have its product banned from entering the US. Fluvirin is used by some 20 million Americans and more than a million British people, many of them elderly. Although the extent of the excess levels of toxins and bacteria at the Speke factory is not known, in extreme cases contaminated vaccines can lead to severe adverse reactions, including toxic shock and fever. In the old and fragile, the impact could be lethal. The FDA letter contains the disclosure that instead of dealing with the problems, managers at the plant wanted to raise the level of contamination deemed to be acceptable.

Sources familiar with the company's operations claim that there were serious production problems running through the factory and abuses were routinely ignored. Although it is not known what other contamination problems the factory had, it is known that production difficulties were not confined solely to the manufacture of the flu vaccine.

Liberal Democrat consumer affairs spokesman Norman Baker is now calling for an immediate investigation into events at the Speke factory and a full explanation from the Department of Health. He also said that the UK Medicines Control Agency (MCA), the body which regulates drug companies, had serious questions to answer about why it had failed to take any action.

Baker said: "The Department of Health and the MCA have completely failed to act in the interests of public health. In their desperate attempts not to undermine the vaccination program, they have tried to sweep all problems under the carpet. As a result, public confidence has been shattered. When will they learn that the answer is not to cover up, but to identify problems and deal with them immediately?"

(Source: The Observer, 22 October 2000, [www.newsunlimited.co.uk](http://www.newsunlimited.co.uk))



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## MI6 AND THE PRINCESS OF WALES

by Richard Tomlinson © 1999

**B**elow is a sworn and testified statement that I have made on 12 May 1999 to the enquiry into the deaths of the Princess of Wales, Dodi Al Fayed and Henri Paul.

I firmly believe that MI6 have information in their files that would assist Judge Stephan's enquiry. Why don't they yield up this information? They should not be entitled to use the Official Secrets Act to protect themselves from investigation into the deaths of three people, particularly in the case of an incident of this magnitude and historical importance.

I, Richard John Charles Tomlinson, former MI6 officer, of Geneva, Switzerland, hereby declare:

1. I firmly believe that there exist documents held by the British Secret Intelligence Service (MI6) that would yield important new evidence into the cause and circumstances leading to the deaths of the Princess of Wales, Mr Dodi Al Fayed, and M. Henri Paul in Paris in August 1997.

2. I was employed by MI6 between September 1991 and April 1995. During that time, I saw various documents that I believe would provide new evidence and new leads into the investigation into these deaths. I also heard various rumours which—though I was not able to see supporting documents—I am confident were based on solid fact.

3. In 1992, I was working in the Eastern European Controlierate of MI6 and I was peripherally involved in a large and complicated operation to smuggle advanced Soviet weaponry out of the then disintegrating and disorganised remnants of the Soviet Union. During 1992, I spent several days reading the substantial files on this operation. These files contain a wide miscellany of contact notes, telegrams, intelligence reports, photographs, etc., from which it was possible to build up a detailed understanding of the operation. The operation involved a large cast of officers and agents of MI6.

One more than one occasion, meetings between various figures in the operation took place at the Ritz Hotel, Place de Vendôme, Paris. There were in the file several intelligence reports on these meetings, which had been written by one of the MI6 officers based in Paris at the time (identified in the file only by a coded designation). The source of the information was an informant in the Ritz Hotel, who again was identified in the files only by a code number. The MI6 officer paid the informant in cash for his information.

I became curious to learn more about the identity of this particular informant, because his number cropped up several times and

he seemed to have extremely good access to the goings on in the Ritz Hotel. I therefore ordered this informant's personal file from MI6's central file registry. When I read this new file, I was not at all surprised to learn that the informant was a security officer of the Ritz Hotel. Intelligence services always target the security officers of important hotels because they have such good access to intelligence. I remember, however, being mildly surprised that the nationality of this informant was French, and this stuck in my memory because it is rare that MI6 succeeds in recruiting a French informer.

I cannot claim that I remember from this reading of the file that the name of this person was Henri Paul, but I have no doubt with the benefit of hindsight that this was he. Although I did not subsequently

come across Henri Paul again during my time in MI6, I am confident that the relationship between him and MI6 would have continued until his death, because MI6 would never willingly relinquish control over such a well-placed informant.

I am sure that the personal file of Henri Paul will therefore contain notes of meetings between him and his MI6 controlling officer, right up until the point of his death. I firmly believe that these files will contain evidence of crucial importance to the circumstances and causes of the incident that killed M. Paul together with the Princess of Wales and Dodi Al Fayed.

4. The most senior undeclared officer in the local MI6 station would normally control an informant of M. Paul's usefulness and seniority. Officers declared to the local counterintelligence service (in this case, the Directorate de Surveillance Territoire, or DST) would not be used to control such an informant, because it might lead to the identity of the informant becoming known to the local intelligence services.

In Paris at the time of M. Paul's death, there were two relatively experienced but undeclared MI6 officers. The first was Mr Nicholas John Andrew LANGMAN, born 1960. The second was Mr Richard David SPEARMAN, again born in 1960. I firmly believe that either one or both of these officers will be well acquainted with M. Paul, and most probably also met M. Paul shortly before his death. I believe that either or both of these officers will have knowledge that will be of crucial importance in establishing the sequence of events leading up to the deaths of M. Paul, Dodi Al Fayed and the Princess of Wales.

Mr Spearman in particular was an extremely well connected and influential officer because he had been, prior to his appointment in Paris, the personal secretary to the Chief of MI6, Mr David SPEDDING. As such, he would have been privy to even the most confidential of MI6 operations. I believe that there may well be significance in the fact that Mr Spearman was posted to Paris in the month immediately before the deaths.

**I was not at all surprised to learn that the informant was a security officer of the Ritz Hotel.**

**Intelligence services always target the security officers of important hotels because they have such good access to intelligence.**

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5. Later in 1992, as the civil war in the former Yugoslavia became increasingly topical, I started to work primarily on operations in Serbia. During this time, I became acquainted with Dr Nicholas Bernard Frank FISHWICK, born 1958, the MI6 officer who at the time was in charge of planning Balkan operations.

During one meeting with Dr Fishwick, he casually showed to me a three-page document that on closer inspection turned out to be an outline plan to assassinate the Serbian leader President Slobodan Milosevic. The plan was fully typed and attached to a yellow "minute board", signifying that this was a formal and accountable document. It will therefore still be in existence. Fishwick had annotated that the document be circulated to the following senior MI6 officers: Maurice KENDWRICK-PIERCEY, then head of Balkan operations, John RIDDE, then the security officer for Balkan operations, the SAS liaison officer to MI6 (designation MODA/SO, but I have forgotten his name), the head of the Eastern European Controллерate (then Richard FLETCHER), and finally Alan PETTY, the personal secretary to the then Chief of MI6, Colin McCOLL.

This plan contained a political justification for the assassination of Milosevic, followed by three outline proposals on how to achieve this objective. I firmly believe that the third of these scenarios contained information that could be useful in establishing the causes of death of Henri Paul, the Princess of Wales and Dodi Al Fayed. This third scenario suggested that Milosevic could be assassinated by causing his personal limousine to crash. Dr Fishwick proposed to arrange the crash in a tunnel, because the proximity of concrete close to the road would ensure that the crash would be sufficiently violent to cause death or serious injury and would also reduce the possibility that there might be independent, casual witnesses. Dr Fishwick suggested that one way to cause the crash might be to disorientate the chauffeur using a strobe flash gun, a device which is occasionally deployed by special forces to, for example, disorientate helicopter pilots or terrorists, and about which MI6 officers are briefed during their training.

In short, this scenario bore remarkable similarities to the circumstances and witness accounts of the crash that killed the Princess of Wales, Dodi Al Fayed and Henri Paul. I firmly believe that this document should be yielded by MI6 to the Judge investigating these deaths, and would provide further leads that he could follow.

6. During my service in MI6, I also learnt unofficially and second-hand something of the links between MI6 and the Royal Household. MI6 are frequently and routinely asked by the Royal Household (usually via the Foreign Office) to provide intelligence on potential threats to members of the Royal Family whilst on

overseas trips. This service would frequently extend to asking friendly intelligence services (such as the CIA) to place members of the Royal Family under discrete [*sic*] surveillance, ostensibly for their own protection. This was particularly the case for the Princess of Wales, who often insisted on doing without overt personal protection, even on overseas trips.

Although contact between MI6 and the Royal Household was officially only via the Foreign Office, I learnt while in MI6 that there was unofficial direct contact between certain senior and influential MI6 officers and senior members of the Royal Household. I did not see any official papers on this subject, but I am confident that the information is correct. I firmly believe that

MI6 documents would yield substantial leads on the nature of their links with the Royal Household, and would yield vital information about MI6 surveillance on the Princess of Wales in the days leading to her death.

**I also learnt while in MI6 that one of the "paparazzi" photographers who routinely followed the Princess of Wales was a member of "UKN", a small corps of part-time MI6 agents who provide miscellaneous services to MI6 such as surveillance and photography expertise.**

7. I also learnt while in MI6 that one of the "paparazzi" photographers who routinely followed the Princess of Wales was a member of "UKN", a small corps of part-time MI6 agents who provide miscellaneous services to MI6 such as surveillance and photography expertise. I do not know the identity of this photographer, or whether he was one of the photographers present at the time of the fatal incident. However, I am confident that examination of UKN records would yield the identity of this photographer, and would enable the inquest to eliminate or further investigate that potential line of enquiry.

8. On Friday 28 August 1998, I gave much of this information to Judge Hervé Stephan, the French investigative Judge in charge of the inquest into the accident. The lengths which MI6, the CIA and the DST have taken to deter me [from] giving this evidence and subsequently to

stop me talking about it, suggests that they have something to hide.

9. On Friday 31 July 1998, shortly before my appointment with Judge Hervé Stephan, the DST arrested me in my Paris hotel room. Although I have no record of violent conduct, I was arrested with such ferocity, and at gunpoint, that I received a broken rib. I was taken to the headquarters of the DST and interrogated for 38 hours. Despite my repeated requests, I was never given any justification for the arrest and was not shown the arrest warrant. Even though I was released without charge, the DST confiscated from me my laptop computer and Psion organiser. They illegally gave these to MI6 who took them back to the UK. They were not returned for six months, which is illegal and caused me great inconvenience and financial cost.

10. On Friday 7 August 1998, I boarded a Qantas flight at Auckland International Airport, New Zealand, for a flight to

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Sydney, Australia, where I was due to give a television interview to the Australian Channel Nine television company. I was in my seat, awaiting take-off, when an official boarded the plane and told me to get off. At the airbridge, he told me that the airline had received a fax "from Canberra" saying that there was a problem with my travel papers. I immediately asked to see the fax, but I was told that it was "not possible". I believe that this is because it didn't exist.

This action was a ploy to keep me in New Zealand so that the New Zealand police could take further action against me. I had been back in my Auckland hotel room for about half an hour when the New Zealand police and NZSIS, the New Zealand Secret Intelligence Service, raided me. After being detained and searched for about three hours, they eventually confiscated from me all my remaining computer equipment that the French DST had not succeeded in taking from me. Again, I didn't get some of these items back until six months later.

11. Moreover, shortly after I had given this evidence to Judge Stephan, I was invited to talk about this evidence in a live television interview on America's NBC television channel. I flew from Geneva to JFK Airport on Sunday 30 August to give the interview in New York on the following Monday morning.

Shortly after arrival at John F. Kennedy Airport, the captain of the Swissair flight told all passengers to return to their seats. Four US immigration authority officers entered the plane, came straight to my seat, asked for my passport as identity and then frogmarched me off the plane. I was taken to the immigration detention centre, photographed, fingerprinted, manacled by my ankle to a chair for seven hours, served with deportation papers (exhibit 1) and then returned on the next available plane to Geneva. I was not allowed to make any telephone calls to the representatives of NBC awaiting me in the airport. The US immigration officers—who were all openly sympathetic to my situation and apologised for treating me so badly—openly admitted that they were acting under instructions from the CIA.

12. In January of this year [1999], I booked a chalet in the village of Samoens in the French Alps for a ten-day snowboarding holiday with my parents. I picked up my parents from Geneva airport in a hire car on the evening of 8 January and set off for the French border.

At the French customs post, our car was stopped and I was detained. Four officers from the DST held me for four hours. At the end of this interview, I was served with the deportation papers below (exhibit 2)

[not reprinted here; Ed.], and ordered to return to Switzerland. Note that in the papers, my supposed destination has been changed from "Chamonix" to "Samoens". This is because when first questioned by a junior DST officer, I told him that my destination was "Chamonix". When a senior officer arrived an hour or so later, he crossed out the word and changed it to "Samoens" without ever even asking or confirming this with me. I believe this is because MI6 had told them of my true destination, having learnt the information through surveillance on my parents' telephone in the UK.

My banning from France is entirely illegal under European law. I have a British passport and am entitled to travel freely within the European Union. MI6 have "done a deal" with the DST to have me banned, and have not used any recognised legal mechanism to deny my rights to freedom of travel. I believe that the DST and MI6 have banned me from France because they wanted to prevent me from giving further evidence to Judge Stephan's

inquest, which, at the time, I was planning to do.

13. Whatever MI6's role in the events leading to the deaths of the Princess of Wales, Dodi Al Fayed and Henri Paul, I am absolutely certain that there is substantial evidence in their files that would provide crucial evidence in establishing the exact causes of this tragedy. I believe that they have gone to considerable lengths to obstruct the course of justice by interfering with my freedom of speech and travel, and this in my view confirms my belief that they have something to hide. I believe that the protection given to MI6 files under the Official Secrets Act should be set aside in the public interest in uncovering, once and for all, the truth behind these dramatic and historically momentous events.

(Source: <http://dianaconspiracy.homepage.com/rtaffidavit.html>)

**I am absolutely certain that there is substantial evidence in their [MI6] files that would provide crucial evidence in establishing the exact causes of this tragedy.**



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**[Editor's Note: This article refers to research studies involving animals. We wish to advise readers that we at NEXUS do not condone or support the validity, efficacy or morality of animal experimentation or vivisection.]**

## THE GREATEST "SCIENTIFIC" FLUORIDE FRAUD YET?

from Health Action Network Society, Canada

**O**n Thursday 12 October, six days after almost every major world newspaper announced the results of a scientific review reporting fluoridation of public water supplies to be a safe public health measure (*British Medical Journal* 2000;321:855–859, 7 October; www.bmj.com), shocking evidence was presented during an interview aired on Vancouver radio station CKST AM 1040. The review, undertaken by the UK National Health Service's Centre for Reviews and Dissemination at the University of York, is considered to be the "final word on fluoridation", but it might well turn out be the greatest scientific fraud ever undertaken by a centre in charge of evaluating scientific information in the interests of public health.

In an interview with Andreas Schuld, head of a global organisation of parents of children poisoned by excessive fluoride intake, evidence was presented showing that the York Review falsified vital information in its Report and deliberately misinformed the public on fluoride's adverse health effects. The interview was conducted by Croft Woodruff, host of one of Canada's longest-running health radio talk shows, past president of the Canadian Health Food Association and founding member of the 25,000-member Canadian Health Action Network Society (HANS).

Schuld arrived for the interview with the York Report and numerous studies which had supposedly been reviewed in depth by the esteemed centre. He briefly recounted how the York Centre had changed the wording in the study protocol to avoid inclusion of specific information on fluoride and thyroid effects as well as data concerning the high amounts of fluoride in tea—an issue of obvious concern for the people in the UK.

Schuld's group had supplied the York team with evidence showing that symptoms described in the literature on fluoride's adverse health effects were identical to those observed in thyroid dysfunction, and that the condition known as "dental fluorosis"—now proclaimed by the York Review to be merely an issue of "aesthetic concern"—was actually to be seen as a direct result of fluoride-induced iodine deficiency during the time of enamel formation. The field of dentistry claims that the biochemical factors leading to the enamel defects observed in dental fluorosis are still unknown.

Schuld then cited specific examples of how the York Review had falsified results.

First on the agenda was the issue of thyroid cancer. Schuld read an excerpt from the York Report which claims that no asso-

ciation was found between thyroid cancer and fluoridated water supplies in a study conducted in Britain. Schuld then asked Woodruff to read from the actual data of the study. It showed an increase of 18 per cent in observed thyroid cancers in the fluoridated areas when compared to non-fluoridated areas. "No association?" Schuld asked, and then proceeded to read from newspaper articles from China, where entire villages are being relocated due to fluoride contamination and where fluoride is being openly acknowledged as the cause of thyroid cancer, Kaschin-Beck disease and iodine deficiency.

Next, Schuld presented a paper which had investigated whether fluoridation had a protective effect on slipped epiphysis, one of the most common hip disorders observed in older children and adolescents. Schuld said that this paper was especially close to his heart, as the condition has been strongly linked to hypothyroidism since the 1920s. Schuld added that this was acknowledged by the study authors themselves, who had provided more than 16 references in the paper's first paragraph. The York team, which had been informed of fluoride's effects on thyroid hormones, should have woken up here, Schuld said.

Schuld then read excerpts from the York Report which had found "the direction of association to be positive (a protective effect) in girls and negative (increased risk) in boys",

but that neither of these was statistically significant. Schuld again asked Woodruff to look at the actual data in the paper. Woodruff saw an 18 per cent increase of the disease in males in fluoridated areas. "Would you consider an 18 per cent increase here *significant*?" Schuld asked Woodruff, who at this time joined Schuld in declaring the Review a total scientific fraud and called it an example of severe and gross scientific misconduct.

Schuld then read further excerpts from the paper in question, citing how

the authors of the study had found that more cases had come from rural areas and that "in general, the rural areas had higher fluoride levels than suburban or urban regions". "In other words, the higher the fluoride levels, the more slipped epiphysis," said Schuld. "Another obvious sign showing the anti-thyroid activity of fluoride."

Schuld ridiculed the York claim that fluoridation showed protective effects in girls. "It is known that the disease almost *never* occurs in girls once menses has begun," exclaimed Schuld.

Schuld emphasised the issue of delayed eruption of teeth, explaining how it has been established since the 1930s that thyroid hormones control tooth eruption. He then read from the York Report: "It has been suggested that fluoridation may delay the eruption of teeth, and thus caries incidence could be delayed as teeth would be exposed to decay for a shorter period of time. Only one study compared the number of erupted teeth per child. The difference was very small and in opposite directions in the two age-groups examined."

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health effects.

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"This is total fraud," Schuld said. "I have 50 papers right here, showing the delayed eruption of teeth in fluoridated areas, including the Newburgh-Kingston data and the papers by Kunzel which were included in the York Review and which they supposedly reviewed. The very same data which they use to prove fluoride's benefits shows this delayed eruption. There are even papers included here which explain how fluorosis gets more severe the later a tooth erupts! Delayed eruption is the single most important factor to consider in evaluating data on fluoridation," explained Schuld. "This delay will produce a delay in the onset of caries which is then interpreted as a benefit. There is no benefit. Caries onset is just delayed. Delayed eruption occurs because you have made the child hypothyroid."

Schuld then reported on studies done in the 1930s by Floyd DeEds, which reported clear results that dental fluorosis is a sign of thyroid dysfunction. According to Schuld, any anti-thyroid administered during the time of enamel formation will produce the effects seen in dental fluorosis, again citing DeEds and his work which showed how cadmium also causes mottled teeth.

Woodruff read from two separate studies by German dental researcher Kunzel (who is represented with four papers in the York Report), which showed how caries occurrence had dropped sharply after the cessation of water fluoridation. The studies were done in Cuba as well as in East Germany, where children enjoyed the greatest caries reduction in 40 years after the practice of fluoridation was halted. "Data from these cities are also in the York Report," said Schuld, "but this time misinterpreted to show a fluoridation benefit! This is an outrageous fraud. Fluorides actually *cause* cavities. There are countless papers—some of them, again, also found in the York Report—which clearly state that the dental defects seen in fluorosis predispose to caries. Is this also a cosmetic concern only?"

Schuld explained how hyperthyroidism, caused after iodine was added to public water supplies in the early 1920s, led to the use of fluorides as anti-thyroid medication. He also explained the biochemical activity of fluoride as a mimic of TSH (thyroid-stimulating-hormone) on G-protein activation—molecular on/off switches by which all thyroid hormone activity is regulated.

"Fluorides are the worst endocrine disruptor imaginable," he said. "What was once known as the fluoride-iodine antagonism can now be explained in detail by thousands of papers showing the fluoride power on G-protein activation. While the experts claim that the amounts of fluorides used in G-protein investigations are a thousand times higher than those found in the human organism, experiments with rats clearly show that the amounts required to cause thyroid disturbance are identical to the levels which have been identified to cause dental fluorosis."

Schuld talked briefly about the findings of Professor Anna Strunecka in Prague, that aluminium fluoride compounds can effect all the pathological hallmarks of Alzheimer's disease. Woodruff added the disturbing news that this disease is now observed in 30- to 40-year-olds. Schuld further spoke about his group's research into autism after parents reported great improve-

ments in their children's conditions once fluorides were eliminated from the diet; there was a strong association with a group of G proteins, Gq/11, which are also highly implicated in Alzheimer's disease, Down's syndrome and thyroid dysfunction.

Schuld then spoke about his group's efforts to help the children of Sosnivka, Ukraine, where mothers of 3,000 sick children have been trying for five years to get their children's ill health properly addressed by the authorities after fluorides suddenly showed up in the water supplies. Other appeals for help have also been received from regions in Pakistan, where similar industrial contamination is occurring. Schuld said UNICEF has now identified more than 25 countries where fluorides pose a great health concern. Conservative estimates by UNICEF of the people affected number in the tens of millions. Woodruff commented on the severe fluorosis observed in regions of China due to breathing airborne fluoride.

**Woodruff read from two separate studies by German dental researcher Kunzel ... which showed how caries occurrence had dropped sharply after the cessation of water fluoridation.**

"Health care providers in those areas need to be properly informed as how to deal with the effects of this fluoride poisoning," said Schuld. "This is an urgent global concern. That the York Review and the *British Medical Journal* have issued press releases worldwide saying fluorides are safe, while these people are suffering incredibly, is simply a crime." He added that a third of the world's population is suffering from iodine deficiency in areas which are identical to endemic fluorosis areas.

Schuld further commented: "Here we have the York Review and its lead researchers running around telling the public that people in fluoridated areas would not be consuming more than 4 mg a day from all sources, while our September analysis of the top-selling tea brands in the UK has shown fluoride content up to 11 mg per litre in tea prepared from one teabag alone."

Meanwhile, any studies showing adverse health effects from areas with levels above 5 ppm in the water were excluded from the Review.

"We urge the people in the UK to ask for an immediate public inquiry into the scientific misconduct clearly prevalent at the York centre," he said.

Woodruff and Schuld urged the listeners to spread this information to as many people as possible, and dedicated the program to the memory of mutual friend Dr John Yiamouyiannis, who suddenly passed away on Sunday 8 October. Woodruff said that Yiamouyiannis will be remembered as one of the most brilliant scientists of the past century.

## **Contact Details:**

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- Parents of Fluoride-Poisoned Children (PFPC), 78 Malta Place, Vancouver, BC, Canada V5M 4C4, e-mail [pfpc@istar.ca](mailto:pfpc@istar.ca). PFPC reference sets can be obtained via [www.bruha.com/fluoride/html/references.html](http://www.bruha.com/fluoride/html/references.html).

(Source: Health Action Network Society, 15 October 2000, e-mail [hans@hans.org](mailto:hans@hans.org))





# MOBILE PHONES

## — TIME TO TAKE PRECAUTIONS —

*Recent medical findings and recommendations from UK government reports suggest that radiation emission guidelines should be made more stringent and that mobile phone use should be minimised.*

by Simon Best, MA © 2000

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[Editor's Note: This article refers to a number of research studies involving animals. We wish to advise that we at NEXUS do not condone or support the validity, efficacy or morality of animal experimentation or vivisection.]

By the end of November, a leaflet on mobile phone health hazards will have been made available at point of sale and to the general public in Britain. This significant development puts the UK government in the lead in reacting to the growing public and scientific concern over the possible hazards from mobile phone radiation.

However, since the leaflet is being put together by the Department of Health (DoH), the National Radiological Protection Board (NRPB) and the mobile phone industry, one will have to wait to see whether it does proper justice to the evidence or tries to downplay it. Whatever the case, such developments are keeping the issue continually in front of the public and the media in Britain.

The leaflet is just one of the major outcomes of the Stewart Report—the Report of the Independent Expert Group on Mobile Phones, chaired by Sir William Stewart, FRS, Chairman of Tayside University Hospitals NHS Trust, Dundee, entitled "Mobile Phones and Health" and published in May.<sup>1</sup> Another is that in August the Department of Education wrote to every school in the country, requesting them to make children aware of possible hazards from excessive use of mobile phones and to encourage them to reduce their use. No such warning has yet been issued by any other Western country.

Most significant among the Stewart Report's many recommendations was its adoption of a "precautionary approach" regarding the use of mobile phones, especially among children, with the advice that the industry cease promoting them to children. It recommended that a leaflet be sent to every household explaining the health issues, and that this should also be made available at the point of sale.

It also recommended that a major, well-funded research program be set up, and the government has since announced that it will launch a new program by the end of November. Specific Absorption Rate (SAR) information on every phone at the point of sale, full planning permission for all new masts and a review of the evidence in three years' time (or before, if warranted) were among other recommendations of the Report, which also included criticisms of the NRPB. How many of these recommendations will be adopted will have become clear by the end of the year, although the Department of Health has now accepted most of them.

One of the chief criticisms of the Report itself is that it left out certain major pieces of research in drawing its conclusions about the evidence for radiofrequency (RF) hazards. This has been assessed in detail elsewhere,<sup>2</sup> but certainly many would disagree with its conclusion that "The balance of evidence suggests that exposures to RF radiation below NRPB...guidelines do not cause adverse health effects to the general population"(1.17).

Besides the symptoms reported by users, ranging from heating sensation and skin irritation, headache, eye and sleep problems to short-term memory loss, disorientation and brain tumour, there is a growing body of research that cannot be dismissed.

The industry, however, continues to insist that there is insufficient evidence, and that the phones are "safe" and the radiation they emit falls well within the guidance laid down by the UK's regulatory authority, the NRPB—which currently refuses to acknowledge any need to change its guidelines and has stuck rigidly to its position of only taking account of heating effects, despite growing evidence and criticism.

## THERMAL VERSUS NON-THERMAL EFFECTS

The whole of the debate over mobile phones and, indeed, concerning other sources of non-ionising radiation such as VDUs, power lines, etc., centres on the evidence for and against thermal versus non-thermal biological effects.

A thermal, or heating, effect on tissue is currently accepted by most scientists in this area to be the only significant way by which electromagnetic fields (EMFs) can pose a hazard to the body; and thus all guidance, both national and international, continues to be based on this assumption. Even the Stewart Report has not challenged this view.

However, a growing body of evidence and opinion over the last decade indicates that effects can occur at levels well below that at which tissue begins to heat up, and that these non-thermal effects can pose significant risk. But before some of this is discussed, it is important to understand how a mobile phone basically works.

The frequencies used by digital (as opposed to the older analogue) mobile phones (900 megahertz for the GSM system used by Vodafone and Cellnet, and 1800 MHz for the PCN system used by Orange and One2One) fall into the microwave region of the electromagnetic spectrum. This frequency range, as well as the much lower range used by VDUs and power lines, etc., is termed "non-ionising" because the frequencies do not contain sufficient energy to strip electrons from atoms. By contrast, beta and gamma radiation, from nuclear fission and other sources, *does* have enough energy to do this and is hence termed "ionising", and it poses well-known, accepted hazards. It is partly this distinction that has caused many orthodox scientists to believe that non-ionising radiation implicitly posed little hazard, except in its capacity to heat tissue.

But, in the case of mobile phones, there is a further reason for concern in that the signal is "pulsed". This means that the main

frequency "carries" another signal—in this case, at 217 Hz—which generates a regular, low-frequency pulsing effect into the brain. In fact, there are further subtle, harmonic pulses and fields to which the user is exposed. It is these, as well as other parameters of the signal, which are causing concern and are not properly taken into account in current guidance advice.

The proposed new TETRA system, mainly for the emergency services, some corporate networks and the London Underground, is especially alarming in this respect, since it uses not only a 420 MHz signal (producing a waveform that maximises radiation absorption for three-to-six-year-old children) but also a pulse at 17 Hz, right in the brain's beta rhythm! This, despite a complete lack of research on possible health effects.

**The whole of the debate over mobile phones and, indeed, concerning other sources of non-ionising radiation such as VDUs, power lines, etc., centres on the evidence for and against thermal versus non-thermal biological effects.**

## SIGNIFICANT NEW FINDINGS

It is not possible to go into great detail about recent research findings (these are covered in depth in issues of *Electromagnetic Hazard & Therapy*), but some recent studies are significant.

In 1998, Dr Kjell-Hansson Mild at the National Institute of Working Life in Umeå, Sweden, reported a study of 11,000 users in Norway and Sweden, comparing symptoms according to duration of use of both analogue and GSM phones.<sup>3</sup> Concentrating on the

latter (since they represent 95% of phones sold), he found a significant dose-response relationship between reported symptoms (fatigue, headache, warmth behind or on ear, burning skin sensation) and duration of use, covering less than 2 minutes, 2–15 minutes, 15–60 minutes and over 1 hour. For example, those Swedes using a phone for more than an hour were 22 times more likely to report an increase in warmth behind the ear than those using them for less than 2 minutes; the equivalent figure for Norwegians was 16-fold (see table 1).

These results clearly show that a heating effect does occur, although how far it penetrates into the brain and whether this effect itself is responsible for all the reported symptoms is still unclear.

Other research, also in Sweden, by Professor Leif Salford at Lund University, shows that radiation at mobile phone frequency can change the blood-brain barrier that normally allows certain chemicals to cross and keeps others out. Professor Salford observed that after only two minutes' exposure to mobile phone intensities, rats displayed changes in the permeability of the blood-brain barrier.<sup>4</sup> This is clearly a worrying finding, suggesting a non-thermal effect as has been claimed.

In the USA, Professor Henry Lai and Dr Narandra Singh, at the University of Washington in Seattle, reported increased strand breaks in DNA in rats' brains after rats were exposed to mobile phone frequencies,<sup>5</sup> although some researchers are claiming not to be able to replicate the effect.

Meanwhile, in the UK, Dr Alan Preece at Bristol University reported in April that he



had observed an effect of mobile phone radiation on human cognition—specifically, the speeding up of a choice reaction test.<sup>6</sup> However, given that he used 15 different tests on only two groups of 18 subjects exposed for two sessions of 30 minutes, the finding may easily have been a chance result. Also, the signal used did not exactly match that produced by a GSM phone—a deficit not helped by the derisory grant from the Department of Health of a mere £3,000!

By contrast, Dr John Tattersall, based at Porton Down Chemical and Biological Defence base in Wiltshire, funded to the tune of £113,000 by the DoH, recently reported effects of RF radiation of rats' hippocampal brain sections at non-thermal levels well below current NRPB guidelines.<sup>7</sup> He observed changes in the electrically evoked potentials and in long-term potentiation that were not due to heating. Aside from his results, one has to ask why the DoH chose to give such a sum to Porton Down rather than award it on the open university marketplace where one can be reasonably assured that all results will be fully published.

Meanwhile, at Nottingham University, Dr David de Pomerai exposed nematode worms to microwaves from a Nokia 2110 phone and found that their cells produced high levels of "heat-shock proteins" (HSPs) at levels that did not produce a measurable temperature rise.<sup>8</sup> HSPs are so-named because they were first observed to be produced in response to a considerable rise in temperature (at least 2°C), but in fact are produced whenever cells start to experience any damage to the protein structure in DNA and RNA.

One of the first studies that drew attention to possible radiation hazards was that by researchers at the Royal Adelaide Hospital in Australia, led by Dr Michael Repacholi.<sup>9</sup> They found that 200

specially prepared mice, when exposed to pulsed 900 MHz radiation for one hour a day for 9 to 18 months, showed a highly significant doubling of B-cell lymphomas. At the time, the finding triggered controversy over its implications for human exposure. However, only now does it appear that an attempted replication is planned, which may or may not involve Dr Repacholi who currently heads the World Health Organization's EMF Project in Geneva.

#### NRPB GUIDANCE BASED ON SAR

Current NRPB and international guidance is based on the SAR, the specific absorption rate, which is a

measure of how much radiation is absorbed per gram of tissue over a given time. The NRPB focuses purely on preventing temperature rises exceeding 1°C, and bases its guidance on keeping any heating to less than 10 watts per kilogram (10 W/kg) in any 10 grams of tissue, averaged over 6 minutes. By contrast, the International Committee on Non-Ionising Radiation (ICNIRP) uses 2 W/kg—five times lower (the US uses 1.6 W/kg, but in 1 gram of tissue).

The Stewart Report has recommended that the UK fall into line with Europe and adopt the ICNIRP

levels in place of current NRPB guidelines, which is at least a step in the right direction—and an embarrassment to the NRPB.

However, the whole basis of using SAR as a reliable measure of exposure, given the complexities of the signal, has been questioned. At a special seminar held at the House of Commons in June 1999—with speakers including Professor Lai from the US and the UK's NRPB, including Professor Richard Doll, and attended by MPs and pressure groups—Professor Michael Kundi, of the Institute of Environmental Health at the University of Vienna, presented five basic assumptions in using the SAR for

**Other research, by Professor Leif Salford at Lund University, shows that radiation at mobile phone frequency can change the blood-brain barrier that normally allows certain chemicals to cross and keeps others out.**

Table 1. Adjusted Odds Ratios (p<0.05) for calling time using GSM phone with reference to reported symptom. Reference category is calling time less than 2 minutes a day. (Source: K.-H. Mild et al., 1998)

| <i>Duration (minutes per day)</i> | 2-15 | 15-60 | >60   |
|-----------------------------------|------|-------|-------|
| <b>Norway</b>                     |      |       |       |
| <i>Symptom:</i>                   |      |       |       |
| Fatigue                           | 1.10 | 1.55  | 4.14  |
| Headache                          | 1.94 | 2.69  | 6.31  |
| Warmth behind ear                 | 1.68 | 2.93  | 16.00 |
| Warmth on ear                     | 1.65 | 3.94  | 8.37  |
| Burning skin                      | 1.56 | 3.48  | 8.42  |
| <b>Sweden</b>                     |      |       |       |
| <i>Symptom:</i>                   |      |       |       |
| Fatigue                           | 1.25 | 1.80  | 1.40  |
| Headache                          | 1.49 | 2.50  | 2.83  |
| Warmth behind ear                 | 2.63 | 9.00  | 21.90 |
| Warmth on ear                     | 2.73 | 10.20 | 22.40 |
| Burning skin                      | 1.06 | 2.34  | 2.77  |

mobile phones, that can be scientifically challenged.<sup>10</sup>

The NRPB's position was further criticised in September 1999 when a House of Commons Select Committee Report also recommended that the NRPB reduce its exposure guideline levels to fall in line with those of the ICNIRP.<sup>11</sup> The NRPB rejected this advice at the time, but the pressure of the recent Stewart Report has finally proved impossible to resist.

### ADVICE ON PROTECTIVE DEVICES

In the Select Committee Report, the British Medical Association's evidence to the Committee called for "prudent avoidance" and recommended that consumers should have access to protective devices to reduce radiation exposure.

Recently, *Which?*<sup>12</sup> published a report in which it claimed that research it had carried out showed that remote hands-free headsets tripled EMF exposure. However, the claimed results have been strongly criticised and *Which?* has been less than forthcoming in releasing its data and methodology. The research was actually carried out by ERA Technology in Leatherhead, Surrey, but they refuse to discuss the findings.

*Which?* has been strongly criticised and received threats of legal action if retractions were not made. Replications of certain tests are being planned and *Which?* is about to publish further studies that it claims will support its view.

Previous tests by others have found only a 15% to 30% increase in radiation into the ear, in a worst-case scenario. However, these devices are useful for keeping the radiation away from the body, and their instructions only emphasise advice to keep calls as short as possible.

Of those devices on the market, the two that have been subjected to the most research and testing are the Microshield and Tecno AO Antenna. The former is a barrier shield that tests show does significantly reduce radiation into the head, depending on what level of power the phone is using. The Tecno device aims to boost the body's ability to cope with the radiation and focuses more on the 217 Hz pulse, which tests show it does mitigate. Both companies can provide research to back their claims (Microshield, tel. +44 (0)208 3633333; Tecno distributor, tel. +44 (0)1227 832262).

I would strongly advise that mobile phone users, especially young people, use some sort of protection on their phones and keep calls as short as possible. Given the organs involved, it's just not worth the risk not to do so. I'm talking about cumulative, pulsed RF radiation going into your head, eyes and other organs every day for the rest of your life—and that's a long time!

### Basic Definitions

- 1 hertz (Hz) = one cycle per second; 1 kilohertz (kHz) = 1,000 Hz; 1 megahertz (MHz) = 1,000,000 Hz; 1 gigahertz (GHz) = 1,000,000,000 Hz.
- The radiofrequency (RF) spectrum spans approximately 100 kHz to 300 MHz; the microwave (MW) spectrum spans 300 MHz to about 30 GHz.

I would strongly advise that mobile phone users, especially young people, use some sort of protection on their phones and keep calls as short as possible.

### About the Author:

Simon Best, MA, is a medical journalist and is the co-author (with biophysicist Dr Cyril Smith) of the award-winning book *Electromagnetic Man: Health and Hazard in the Electrical Environment* (Dent, London, 1988; St Martins Press, NY, 1989).

Simon is also Editor (assisted by consultant Alasdair Phillips, director of Powerwatch UK) of the *Electromagnetic Hazard & Therapy* news report. Launched in 1989 and published four times a year, *EH&T* is

the only independent, regular news report in the UK covering research and debate on the health hazards of EM fields, as related to powerlines, VDUs, mobile phones/antenna masts, microwave sources, as well as their positive applications in orthodox and complementary medicine, including electrotherapy and magnetotherapy.

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# THE SECRET GOLD TREATY

*Whichever side wins the financial war raging between the euro and the US dollar, the international bankers will be a step closer to establishing their global, cashless currency.*

by David G. Guyatt © 2000

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## "GOLDBUGS" VERSUS THE GOLD CARTEL

In the last 18 months, a previously unheard-of action group has emerged onto the scene to dominate the front pages of the world's financial press. They are an independent group of financial experts called the Gold Anti-Trust Action group, or GATA. From a slow beginning, they have gathered a head of steam that has begun to rock the financial establishment of the entire world. The members of GATA are "goldbugs"—a slang term for those who believe that gold is still king and that the money powers should once again back currency with the "noble" metal, thereby eradicating fiat money.

What is of significance about GATA is that its members have learned that the gold market is fixed and that the price of gold is artificially pegged below US\$290 an ounce. Why is this important? Firstly, because the evidence GATA has collected emphatically points to the conclusion that the big Wall Street banks and their overseas kindred are operating a cartel. This is illegal in the USA. GATA calls the members of this cartel the "gold collusion crowd" and alleges that Goldman Sachs (whom they amusingly refer to as "Hannibal Lector") resides at the pinnacle of this group. A more important reason why you should take note of GATA is *why* its proponents say that the gold price has been fixed.

Until fairly recently, gold banks could "lease" (borrow) gold from central banks at interest rates of around or below 1% per annum. This means that Goldman could, for example, borrow gold and sell it in the market, and the cash—the tens of billions of dollars it received in return—would be virtually interest-free. Thereafter, the collusion crowd could invest these cost-free funds anywhere they pleased. For example, they could buy US Treasury bonds paying over 6% interest and pocket the profit of 5%. Five per cent doesn't sound like much, but when multiplied by tens of billions of dollars it piles up.

This is a typical Wall Street and international bankers' "wheeze". By selling assets belonging to the citizens of any given country and then ploughing back the cash they receive into the treasury market of that same country, the bankers are quite simply bilking taxpayers of billions of dollars a year. If you don't find this an outrage, I'd like to make an appointment to meet you and your wallet.

But there is another angle that is even more alarming. Unsurprisingly, perhaps, this issue doesn't get into the newspapers despite its great importance. Those who keep abreast of current economic events will know that there is a bloody financial war raging between Europe and America. Who wins this war will determine who gains (or retains) control over the world's money during the next decades. It is a massive prize to be won, and the result will quite probably see global society becoming a vassal to the banking community.

The European currency unit, the euro, is partly backed by gold. The US dollar is not. The Europeans plan to have their money fully digitised in the near future, resulting in a "cashless" society. The worldwide community of bankers is rather betrothed to the idea of digital money, it seems.

After all, it was the boss of the hedge fund, Long Term Capital Management (LTCM), John Meriwether, who is said to have reached a rather private understanding with the Italian central bank. Meriwether had earlier been the senior bond salesman at Salomon Brothers, the Wall Street investment bank, until he got caught trying to rig an entire US Treasury bond issue in flagrant defiance of Securities and Exchange Commission (SEC) laws. Leaving the concrete jungle of Wall Street behind him, Meriwether set up LTCM in the leafy suburbs of Greenwich, Connecticut, leading Wall Street insiders to call it

"Salomon North". Apart from his cachet appearance in the best-selling book, *Liar's Poker*,<sup>1</sup> Meriwether was seen as the "coming man" and attracted Wall Street's finest to his management team. Included were two Nobel laureate economists and a former Federal Reserve vice-chairman. He also attracted Italian academic Professor Alberto Giovannini, who was reported to be acting as an informal representative for the Bank of Italy. Giovannini wished Meriwether's merry men to engage in market manipulation to ensure that Italy could meet the convergence criteria for the launch of the euro in 1999.

The Wall Street and European crowd queued up behind LTCM like starving sparrows at a garden party. Everyone wanted a piece of the action. Merrill Lynch was top of the list in its diversity of investment in LTCM. Merrill invested as a firm and all 123 executives also placed a total of US\$22 million into the fund as part of their "deferred compensation plan". Merrill Chairman David Komansky alone was reported to have invested \$800,000. Chase, Morgan, Lehman, Bear Stearns, Salomon, Union Bank of Switzerland, Germany's Dresdner Bank, Taiwan's Chinatrust, China's central bank, the Bank of China, Britain's Warburg, Dillon Read, the Swiss-American bank CSFB and a host of equally illustrious international banking groups also participated in the hedge fund helter-skelter profit ride.

LTCM is said to have borrowed a large quantity of gold, sold it and put "in play" the proceeds to achieve this or other ends. This short gold position is, by all accounts, a sensitive issue. Knowledgeable people continue to hint that in the 1998 "private rescue" of LTCM by 14 of Europe's and Wall Street's finest investment banks (the same crowd who backed it, in fact) there was more concern with bailing out the firm's short gold position than anything else. In any event, it took a mere 12 months for LTCM to make profits sufficient to repay the US\$4 billion rescue kitty raised by the collusion crowd.

### THE EURO VERSUS THE DOLLAR

Expectations that the US dollar will ultimately lose the money battle with Europe are plentiful. Economists are predicting the dollar's fearful collapse, for as a currency it has been debauched with mountainous debt that now cannot possibly be repaid.

An August report in the *Washington Insider* by two former high-level economic advisors to the Russian government predicts a collapse of the US economy by the end of this year, with losses of around US\$10 trillion. They strongly recommend that Russia heed this warning and join forces with Germany.<sup>2</sup>

There are reasons to argue that the present spiralling cost of oil is not of OPEC's making, but is instead a desperate last attempt to keep the US economy buoyant amidst these fears. Oil is a dollar-denominated commodity, and it is fair to say that the 1973–74 "Yom Kippur" embargo/crisis is an example of where an oil crisis boosted the American economy at a time when it was in considerable jeopardy.

But there are powerful forces lining up to ensure that the euro fails. In late September, an article published by the leading German newspaper *Frankfurter Allgemeine* reported that the plan by G7 central banks to intervene in the foreign exchange market in support of an ailing euro was leaked by a central bank outside the euro zone.<sup>3</sup> According to the report, the giant US bank Citibank, a major force in foreign exchange markets worldwide, learned of the impending intervention and began buying large

volumes of euros on behalf of an unnamed US hedge fund. Although the identity of the hedge fund has not been reported in published accounts, informed sources have told this writer that it was Moore Capital Investment, recently ranked as Number 1 in terms of assets (US\$9 billion) and among the top six hedge funds in terms of overall performance. Insider knowledge of the impending intervention allowed Moore Capital to buy euros at a low cost and then, as the price jumped following intervention, sell their hoard to achieve an easy and handsome profit. The ultimate consequence, of course, would result in a further weakening of the European currency unit—which is what happened.

No one, however, is saying which central bank leaked this critical information. However, an examination of the ownership and connections of Moore Capital Investment does produce some intriguing leads. The fund is reported as principally operating on behalf of a "group of European investors".<sup>4</sup> Louis M. Bacon is the Chairman, CEO and chief equity holder of the fund, and he is also the principal investor in Apex Silver Mines Limited, an offshore company that boasts the largest private silver holdings in the world. Other investors in Apex include Paul Soros—older brother of George Soros of Quantum Group fame (Quantum, incidentally, holds 9.9% of shares of Apex)—Thomas Kaplan and others who are known to be close to the Rothschilds stable. It may also be significant that Moore Capital moved its headquarters to the Rockefeller Center back in 1993, taking over the top-floor executive suite previously used by Exxon, the massive oil company.<sup>5</sup>

It will also be remembered that it was George Soros who, via his hedge funds, attacked Britain's currency back in 1992, which led to losses of billions of pounds to the British taxpayer and the resignation of the then Chancellor of the Exchequer, Norman Lamont.

At the time, Lamont had run into a blizzard of flak from the Bank of England, who disagreed with his economic policies. Not least, sterling was pegged to the European exchange rate mechanism (ERM)—a vehicle specifically designed to create the new European currency unit, the euro. The consequence of Soros's "Black Wednesday" manoeuvres was to force Britain to leave the ERM.

Rothschilds, of course, sits at the heart of England's financial establishment and for generations has boasted exceptionally close ties to the Bank of England. This is not to say that it was the "Old Lady" of Threadneedle Street who leaked the information about the planned intervention in support of the euro to Rothschilds, who passed it along to Louis Bacon who dealt through Citibank. But at least we can show that these connections do exist, and note an anti-European stance by the right-wing ruling elite in the United Kingdom that borders on political fervour.

And it is the Rothschilds, Hambros and others who form an integral part of the Anglo-American "special" relationship that is historically deeply embedded in the US Republican Party—to which Louis Bacon is a known large contributor. It is when one begins examining the Republican connections to outright financial fraud during the 1980s that one begins to understand the true dynamics of power politics.

Anyone who desires to learn just how rigged the whole political and financial process is, need only read a copy of Al Martin's newly released *The Conspirators: Secrets of an Iran-Contra Insider*.<sup>6</sup> For a British version that shows similar connections

**Economists are predicting the dollar's fearful collapse, for as a currency it has been debauched with mountainous debt that now cannot possibly be repaid.**



(remembering that in the UK these things do not normally get into the public domain), readers are invited to download for free *The World's Biggest Fraud* by Bernard Gough, which details how British banks, including Rothschilds, Hambros, Lloyds and many others, appear to engage in all manner of illegalities yet with the full protection of the law.<sup>7</sup>

Meanwhile, the hedge funds are the principal (but not only) weapon of the secretive, so-called "billionaires club"—a cabal of fabulously wealthy, "untouchable" individuals who manipulate the world's financial and commodity markets on a daily basis. The "club", as it is usually referred to, is reliably said to have been behind the recent collapse of the Asian economies, according to well-placed and knowledgeable sources. This event was triggered by an Asian central banker who had been heavily bribed to start the ball rolling. A nod and a wink from the US government was all it took, it is said, for a group of US hedge funds, operating strategically, to proceed to cause the collapse of numerous Asian economies—and to make fortunes in the process.

Fraud, manipulation, grand larceny on a scale that is almost unimaginable to comprehend—and cold-blooded murder when things look like they are about to unravel—are the daily bread and drink of these financial titans. If someone gets out of order or is perceived to be a threat, even if he is a member of the club, he is taken care of in the classical Roman way. Names like Edmund Safra and the late Baron Rothschild come to mind in this respect, but there are many more.

Whether it is the US dollar or the euro which is ultimately victorious is of little consequence to most of us. It is taken for granted that, in the near future, money as we know it will cease to exist. In its place there will be "cashless" money in an electronic or digital form. Consequently, governments will cease to have much of a say in issuing money. The banks will rule unhindered.

This must be cause for great concern. Even today, someone who has run into the financial brick wall of having their "credit rating" pulled knows and understands the hardship this can cause. But at least they can still buy bread and a glass of water and essential services to safeguard their existence. In the future, however, there will be the real fear that a loss of someone's credit rating could amount to a death sentence. No credit rating will mean no access to electronic money and a zero ability to purchase anything. Not food, water, utilities... Nothing.

The subliminal "control" this will have over every aspect of society will be enormous, and the desire to toe the line—whatever it is—will result in the psychological mechanism of self-regulating serfdom. Nothing need even be said. It will be instinctively understood and, in any event, examples will abound to begin with. We will soon fall in line and even willingly supplicate ourselves to the financial gods who have decided the time is right to rule the world with a rod of money.

Admittedly, this is the darkest of dark visions, but who is to stop these financial masters from their ultimate achievement? Governments already are either owned or brought low with consummate ease, even when working together strategically, and quite apparently "the rule of law" has already been shifted on its axis to become "the law of rule".

The concept that bankers aim to run the world will be seen as a ridiculous idea in some quarters. It is not my idea, but one

expounded by author Carroll Quigley, a professor at the Foreign Service School of Georgetown University and who, at one time, taught President Bill Clinton. Quigley was regarded as an establishment historian by the establishment, and was thus permitted access to their private archives. In his book *Tragedy and Hope*, he let the cat out of the bag with this revelation:<sup>8</sup>

*In addition to these pragmatic goals, the powers of financial capitalism had another far-reaching aim, nothing less than to create a world system of financial control in private hands able to dominate the political system of each country and the economy of the world as a whole. This system was to be controlled in a feudalist fashion by the central banks of the world acting in concert, by secret agreements arrived at in frequent private meetings and conferences.*

## THE TREASURE HUNT FOR HIDDEN "BLACK" GOLD

Yet, the world of money holds many more and darker mysteries still. The most startling of these is that the official figures revealing how much gold exists are fabricated. This, it seems, is because it has been determined that there are two sorts of gold. The "white" gold of the West is mined in small quantities and is used as the basis for official purposes. The "black" gold of the

Orient is not official and so cannot be allowed to exist "on the books" at all. Such are the massive quantities of black gold in existence that had this singular fact ever been publicly disclosed, the price of gold across the world would have plunged to the depths and remained there forever more.

This has given rise to two distinct markets for gold. There are official markets that are quoted in the financial press and which appear to be open and above board (but, as we have seen, are not). Then there is the black market. Like gold itself, the black market has a long and grimy history. Of this, no period is

grimier than the Second World War.

Beginning in 1935, Japan set about stripping China of its wealth. This "rape" was extended, with the outbreak of WWII, to include a total of 12 Asian nations. The haul gathered by the Japanese "plunder teams" was simply beyond belief: gold in quantities never dreamt of. This was black gold, long hoarded by the Chinese. Also stolen were large quantities of silver, platinum, gemstones and irreplaceable religious artefacts, some made from solid gold and in some instances embedded with precious stones.

Much of this was buried in The Philippines between 1943 and 1945. Altogether, there were 172 Imperial Japanese burial sites stuffed full of plunder. One site, designated as a triple seven ("777"), held gold and other booty valued by Japanese accountants at 777 billion yen. At prevailing 1945 exchange rates, this equated to 200 billion US dollars. Included was an oil barrel packed full of loose diamonds totalling 150,000 carats. There were dozens of Japanese "triple seven" sites as well as many "triple nine" troves dotted around The Philippines. There was a long list of smaller ones, too. Indonesia also held many equally impressive Japanese treasure troves.

In the Philippines, Ferdinand Marcos was one of those who set about recovering some of this war loot as soon as the Japanese had left. Before Marcos, however, the OSS, the Office of Strategic Services—the forerunner of the CIA—had already become "involved".

**It is taken for granted that, in the near future, money as we know it will cease to exist. In its place there will be "cashless" money in an electronic or digital form.**

Beginning in 1945, OSS operatives chased off a Japanese "Golden Lily" team and began helping themselves to a triple seven site. The black market gravy train was thus set in motion.

By 1984, CIA covert operative General John Singlaub formed a venture called Nippon Star. Singlaub was working with former Reagan NSC staff member Major General Robert Schweitzer—the boss of Colonel Oliver North. This "front" company was expressly founded for the purpose of recovering WWII gold buried in The Philippines. Others who were later to become involved with Nippon Star included former Chairman of the Joint Chiefs of Staff, General John Vessey, and Ray Cline, the former CIA Deputy Director of Operations. After some thought, Singlaub decided that the latter two were too high-profile to be included as directors of the company.

Essential to Singlaub's plans was Bob Curtis. A former confidant of Ferdinand Marcos, Curtis possessed copies of the 172 treasure maps made by Japanese cartographers. These showed locations, stated the values of the booty, and made clear what booby traps protected which sites.

In 1986, according to Curtis, the Trilateral Commission chased Marcos from office. Curtis has a copy of a Trilateral Commission letter to back up his allegation. The Trilateral group wanted a large hoard of plundered gold which one of Marcos's army battalions had spent years recovering in secret. But Marcos disagreed. Three days later, Curtis says, he was overthrown. Marcos fled The Philippines and headed for Hawaii, where US government agents ransacked his aircraft and impounded all his confidential papers. Marcos was a wily person and had taken the opportunity to place copies of his important documents with his mistress. Following Marcos's death, she handed them over to Curtis, who now boasts an archive of 60,000 documents.

Consequently, Curtis can speak with considerable authority of gold-for-cocaine swaps between Marcos and Panama's Manuel Noriega. Curtis also speaks of gold-for-oil swaps and has discussed with me a series of gold deals for a trillion dollars, each of which involved Baron Krupp of Germany.

**A former confidant of Ferdinand Marcos, Curtis possessed copies of the 172 treasure maps made by Japanese cartographers.**

Krupp's involvement in black gold dates back a long way, as did his financial accommodations with Adolf Hitler and his deputy Martin Bormann, who may have survived World War II. The last Baron Krupp died in the mid-1980s, and, as he fathered no children, the direct family line of German gunmakers who once made mighty cannon for the *Wehrmacht* came to an abrupt end. This is no displeasure to me, nor to a great many others, I suspect. What happened to his spectacular fortune, however, remains unknown, so far as I can determine.

I am fortunate to have an archive of private documents, acquired from a reliable and entirely different source from those obtained by Bob Curtis. These include confidential documents signed by the late Baron, a financial statement prepared by his Swiss attorney—whom he referred to as "Mein Leiber Bruder" ("My Dear Brother", possibly indicating he remained close to the Bormann "Brotherhood" of escaped Nazis)—along with a listing of some of his many bank accounts plus a multibillion-dollar bank draft drawn on a famous German bank.

These and many other compelling documents, including Swiss bank bullion accounts for infamous former CIA black operative General Edward Lansdale, are amongst those reproduced in my book, *The Secret Gold Treaty* (now available for purchase via [www.solari.com/goldtreaty/](http://www.solari.com/goldtreaty/)). Based on four-and-a-half years of gruelling research, the book goes into considerable detail about Marcos's gold, the Japanese "Golden Lily" plunder operation, and Nazi plans to create a Fourth Reich—financed by

plundered gold—under the leadership of Hitler's deputy, Martin Bormann. It also takes the reader deep into the shadows of the black gold market, showing who controls it and the chilling plans that are in store for us all.

It is for the reasons outlined above that GATA, the Gold Anti-Trust Action group, should be supported. They are the only people who are shining a light into the shadows that ordinarily obscure the daily crimes of international bankers and financiers. They do so with some notable success, too, although it has to be admitted that the meisters of gold and market manipulation still remain resistant to all known strains of honesty and integrity.

**About the Author:**

Following a 28-year career in investment banking (member, AIBD) based in the City of London, David Guyatt's last position was Associate Director and Treasurer of the forfeiting (an arcane banking term meaning "to discount without recourse") division of a major international bank. David, 52, is married with three children and now pursues a career in journalism, writing for a variety of media and researching and producing factual material on a wide range of associated subjects.

In addition to his feature writing, David has prepared background papers on Anti-Personnel Electromagnetic Weapons for the International Committee of the Red Cross (ICRC), was a contributing member of ICRC's SirUS Project that sought to define criteria for judging "abhorrent weapons", and has written for the World Development Movement on his "insider's

knowledge" of international weapons financing. He has been a consultant on Swiss and UK TV documentaries exposing the threat of non-lethal weapons and Britain's weapons trail to Indonesia. He is presently assisting the US-based law firm Easton & Levy in its lawsuit against the Vatican for the restitution of the Nazi Croatian Treasury which was illicitly transferred to the Vatican and elsewhere at the end of World War II.

David has recently completed an in-depth investigation into the black market of gold and has published it as an electronic book, *The Secret Gold Treaty*, now available at [www.solari.com/goldtreaty/](http://www.solari.com/goldtreaty/) or through David's home page, [www.deep-blacklies.co.uk](http://www.deep-blacklies.co.uk).

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# THE PROMIS THREAT

**The stolen "Promis" software has been illegally modified for a number of covert operations including high-resolution satellite surveillance and subtle manipulation of global financial markets.**

by Michael C. Ruppert © 2000

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*US journalist Mike Ruppert, a former Los Angeles police officer who now runs a website that seeks to expose CIA covert operations, said he met with RCMP investigator McDade on August 3 in LA. Ruppert said the RCMP officer was anxious to see documents he received three years ago from a shadowy Green Beret named Bill Tyre [sic], detailing the sale of rigged Promis software to Canada.*

— *The Toronto Star*, September 4, 2000

Only the legends of Excalibur, the sword of invincible power, and the Holy Grail begin to approach the mysterious aura that has evolved in the world of secret intelligence around a computer software program named "Promis". Created around the mid-1970s by former National Security Agency (NSA) programmer and engineer Bill Hamilton, now President of Washington, DC's Inslaw Corporation, Promis (Prosecutor's Management Information System) crossed a threshold in the evolution of computer programming.

Working from either huge mainframe computer systems or smaller networks powered by the progenitors of today's PCs, Promis, from its first "test drive" a quarter-century ago, was able to do one thing that no other program had ever been able to do. It was able to read and integrate any number of different computer programs or databases simultaneously, regardless of the language in which the original programs had been written or the operating system or platforms on which that database was then currently installed.

It is difficult to relegate Promis to the world of myth and fantasy when so many tangible things, like the recently acknowledged Royal Canadian Mounted Police (RCMP) investigation—and previous findings of congressional oversight committees—make it real. There are no less than six dead bodies connected to Promis, including investigative journalist Danny Casolaro in 1991, a government employee named Alan Standorf, the British publisher and lifelong Israeli agent Robert Maxwell, also in 1991, retired Army CID investigator Bill McCoy in 1997, and a father and son named Abernathy in a small northern California town named Hercules.

The fact that commercial versions of the Promis software are now available for sale directly from Inslaw belies the fact that some major papers and news organisations instantly and laughably use the epithet "conspiracy theorist" to stigmatise anyone who discusses it. Fear may be the major obstacle or ingredient in the myth surrounding modified and "enhanced" versions of Promis that keeps researchers from fully pursuing leads rising in its wake.

I was validated in this theory on September 23rd in a conversation with *From The Wilderness* (FTW) contributing editor Peter Dale Scott, PhD, a Professor Emeritus at UC Berkeley and noted author. Upon hearing details of my involvement, Scott frankly told me that Promis frightened him. Casolaro, who was found dead in a West Virginia motel room in 1991, had Scott's name (Scott is also a Canadian) on a list of people to contact about his Promis findings. He never got that far.

A close examination of the Promis saga actually leads to more than a dozen deaths, many of which share a common pattern where, within 48 hours of death, bodies are cremated, residences are sanitised and all files disappear.

This was the case with my friend Bill McCoy, a (retired) Army CID investigator and the principal investigator for Hamilton in his quest to recover what may be hundreds of millions in lost royalties and reunite him with the evolved progeny of his brainchild.

Those progeny now have names like SMART (Self-Managing Artificial Reasoning Technology) and TECH. I will never forget hearing of McCoy's death and his immediate cremation, and then trying to reconcile that with the number of times he had told me while I was sitting in his Fairfax, Virginia, home that he wanted to be buried next to his beloved wife in spite of the fact that he was a Taoist.

In researching this story, I found a starkly recurring theme. It appeared first in a recent statement I tape-recorded from probably one of the three best informed open sources on the story in the world: William Tyree.

Tyree is a former US Army Green Beret who was framed in 1979 and has been serving a life sentence for the murder of his wife, Elaine, outside of Fort Devens, Massachusetts, then home of the 10th Special Forces Group. From his prison cell in Walpole, Massachusetts, he has been a central if little-known figure in the Promis case for many years. If the story is ever fully told, his role may be even more significant than anyone has ever supposed.

The information from Tyree, recorded in a phone conversation on August 28th, and the research work on "block modelling" social research theory, uncovered while researching other leads, both describe the same unique position or vantage point from hypothetical and actual perspectives.

Tyree described an actual physical point in space, further out than ever thought possible and now used by US satellites. This distance is made possible by Promis progeny so evolved that they make the original software look primitive. The social research, which included pioneering mathematical work—apparently facilitating the creation of artificial intelligence—postulated that a similar remote hypothetical position would eliminate randomness from all human activity. Everything would be visible in terms of measurable and predictable patterns—the ultimate big picture. One key website on this is <http://web.syr.edu/~bvmarten/socialnet.html>.

Promis is not a virus. It has to be installed as a program on the computer systems that you want to penetrate. Being as uniquely powerful as it is, this is usually not a problem. Once its power and advantages are demonstrated, most corporations, banks or nations are eager to be a part of the "exclusive" club that has it. And, as is becoming increasingly confirmed by sources connected to this story, especially in the banking system, *not* having Promis (by whatever name it is offered) can exclude you from participating in the ever more complex world of money transfers and money laundering.

### THE FIRST RIP-OFF

According to lawsuits and appeals filed by Hamilton, as well as the records of congressional hearings and the FBI and dozens of news stories, the legend of Promis began in 1981–82.

After a series of demonstrations showing how well Promis could integrate the computers of dozens of US attorneys offices around the country, the Department of Justice (DoJ) ordered an application of the software under a tightly controlled and limited licence. From there, however, Meese, along with cronies D. Lowell Jensen and Earl Brian, allegedly engaged in a conspiracy to steal the software, modify it to include a "trapdoor" that would allow those who knew of it to access the program in other com-

puters, and then sell it overseas to foreign intelligence agencies.

Hamilton began to smell a rat when, for example, agencies from Canada started asking him for support services in French when he had never made sales to Canada.

The Promis-managed data could be anything from financial records of banking institutions to compilations of various records used to track the movements of terrorists. That made the program a natural for Israel—which, according to Hamilton and many other sources, was one of the first countries to acquire the bootlegged software from Meese and Company.

As voluminously described by Inslaw attorney, the late Elliot Richardson, the Israeli Mossad, under the direction of Rafi Eitan, allegedly modified the software yet again and sold it throughout the Middle East. According to Hamilton, it was Eitan, the legendary Mossad captor of Adolf Eichmann, who had masqueraded as an Israeli prosecutor years earlier to enter Inslaw's DC offices and obtain a first-hand demonstration of what Promis could do.

Not too many Arab nations would trust a friendly Mossad agent selling computer programs. So the Mossad provided its modified Promis to flamboyant British publishing magnate Robert Maxwell, a WWII Jewish resistance fighter who had assumed the Anglo name and British citizenship after the War. It was Maxwell, capable of travelling the world and with enormous marketing resources, who became the sales agent for Promis and then

sold it to, among others, the Canadian government. Maxwell drowned mysteriously in late 1991, not long after investigative reporter Danny Casolaro was "suicided" in West Virginia. But Maxwell may not have been the only one to send Promis north.

In the meantime, after winning some successes including a resounding congressional finding that he had been cheated, Bill Hamilton hit his own buzz-saw in a series of moves by the Reagan and Bush Justice departments and rigged court decisions intended to bankrupt him and force

him out of business. He survived and fought on. Meanwhile, hundreds of millions of dollars in royalties and sales fees were going into the wrong pockets.

As was later revealed from a number of directions, this initial tampering with the software was far from the only game in town. The CIA—through GE Aerospace in Herndon, Virginia (GAO Contract #82F624620)—the FBI and elements of the NSA were all tinkering with Promis, not just to modify it with a trapdoor but to enhance it with artificial intelligence (AI). It's worth it to note that GE Aerospace was subsequently purchased by Martin Marietta, which then merged to become Lockheed–Martin, the largest defence and aerospace contractor in the world. This will become important later on.

Confidential documents obtained by *FTW* indicate that much of the AI development was done at the Los Alamos National Laboratory and Sandia Labs, using research from US universities including Harvard, Caltech and the University of California.

And it was not just Reagan Republicans who got their hands on it, either. As we'll see shortly, Promis came to life years *before* the election of Ronald Reagan. According to Bill Tyree, it was also an essential element in the espionage conducted by Jonathan Pollard against not only the US government but the Washington embassies of many nations targeted by Israel's Mossad.

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It has to be installed as  
a program on the computer  
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## THE LAST CIRCLE

For more than a year and a half, members of the RCMP travelled through the US, often in the company of Sue Todd, a savvy female homicide detective from the small California town of Hercules. Even now, questions linger as to what the Canadians were really after. But there is absolutely no question that while surreptitiously in the US, the Mounties spent more time with author and investigative reporter Cheri Seymour than with anyone else. And for good reason.

Seymour, under the pen name of Carol Marshall, is the author of a meticulously researched e-book entitled *The Last Circle* (located at [http://www.lycaem.org/books/books/last\\_circle/](http://www.lycaem.org/books/books/last_circle/)). Anyone seeking to understand the Promis story must include this book as a part of their overall research.

I first met Cheri in person this spring after she had contacted me via the Internet. I travelled to her home, some three hours outside of Los Angeles, and viewed acres of documentation for a saga that started with drug-related murders and police corruption around methamphetamine production in northern California in the 1980s. That investigation later connected politicians like Tony Coelho and major corporations like MCA, and eventually led to a shadowy scientist named Michael Riconosciuto. Familiar names like Ted Gunderson and relatively unknown names like Robert Booth Nichols weave throughout this detailed epic that takes us to the Cabazon Indian Reservation in the California desert and into the deepest recesses of the 1980s Reagan/Bush security apparatus.

Gunderson, a retired FBI Special Agent in Charge (SAC) from Los Angeles, and Nichols, a mysterious Los Angeles man, exposed through court documents obtained by Seymour as being a career CIA operative, were connected with scientist/programmer Riconosciuto in a sinister, yet now very well documented phase of Promis's development.

In affidavits, Riconosciuto claims that one of the tasks he performed at the Cabazon reservation was to install a back door in the version of Promis that was sold to Canada.

In August of this year, the RCMP investigators told both Seymour and me that they had travelled to the reservation several times and had confirmed many details of Seymour's research. They had also interviewed Riconosciuto on more than one occasion. As with everyone else I have ever met who has spoken with him, both the Mounties and Seymour kept a reserved distance from him and always "counted their fingers after every handshake".

By using treaties between the US government and Native American peoples that recognise Native American reservations as sovereign nations, the CIA has long and frequently avoided statutory prohibitions against operating inside the United States. The financial rewards for tribal nations have been significant, and the extra security afforded by tribal police in remote areas has been a real blessing for covert operatives.

*The Last Circle* describes in detail how Promis software was modified by Riconosciuto allegedly to include the back door "eavesdropping" capability, but also enhanced with one form of AI and subsequently applied to the development of new weapons systems. Some of these may have included "ethnospecific" biowarfare compounds capable of attacking specific races.

Riconosciuto, now serving time in a Federal prison in

Pennsylvania, has a cell a very short distance from fellow espionage inmates Edwin Wilson and Jonathan Pollard. While his tale is critical to understanding what has happened to Promis, the fact remains that Riconosciuto has been out of the loop and in legal trouble for eight years. He has been in a maximum security prison for at least six. So it was surprising when, in 1998, he contacted homicide detective Sue Todd in Hercules and told her that the murder of a father and son, execution style, was connected to the Promis story. One connection was obvious. Hercules is a "company town" connected to a weapons manufacturer, described in Seymour's book, which also connects to the Cabazon Indian Reservation.

## THE THREE BILLS

I lived in Washington, DC, from August 1994 until late October of 1995. It was during that time that I was a semi-regular visitor at the Fairfax, Virginia, home of Bill McCoy, a loveable sixty-something giant, always adorned with a beret, who complained ruthlessly about what had happened to the United States since "the damned Yankee army" had taken over. Writers were "scribblers". People who thought they knew something about covert operations without ever having seen one were "spooky-groupies".

"Mac", as we called him, had his investigative fingers in almost everything, but he was most involved with Promis. McCoy was a

retired Chief Warrant Officer from the US Army's Criminal Investigation Division. He had broken some of the biggest cases in Army history. It was Mac who introduced me to Bill Tyree and Bill Hamilton in 1994.

I recall scratching my head as I would be sitting at Mac's dinner table, when a call would come in from Hamilton asking if there was any new information from Tyree. "Not yet," McCoy would answer. "I'll call as soon as I get something."

"How," I asked, "could a guy in a maximum security prison like Walpole State Penitentiary in Massachusetts be getting information of such quality that someone like Hamilton would be calling urgently to see what had come in?"

That, answered McCoy, was the work of someone known only as "the Sergeant Major", and alternatively as "His Eminence", who fed the information to Tyree, who in turn fed it to McCoy, who then passed it on to Hamilton. Sometimes, however, Tyree and Hamilton communicated directly. To this day, the identity of the Sergeant Major remains a mystery—and the puzzle-piece most pursued by the RCMP when they visited me in August 2000.

It was also not by coincidence, then, that in the same winter of 1994–95 McCoy revealed to me that he was using former Green Berets to conduct physical surveillance of the Washington, DC, offices of Microsoft in connection with the Promis case. FTW has recently received information indicating that piracy of Microsoft products at the GE Aerospace Herndon facility was likely tied to larger objectives, possibly the total compromise of any Windows-based product. It is not by chance that most of the military and all of the intelligence agencies in the US now operate on Macintosh systems.

In late 1996, Tyree mailed me a detailed set of diagrams and a lengthy narrative explaining the exact hows and whys of the murder of Danny Casolaro and an overall view of the Promis saga that is not only consistent with what is described by Seymour in *The*

**... Promis software was modified by Riconosciuto allegedly to include the back door "eavesdropping" capability, but also enhanced with one form of AI [Artificial Intelligence] ...**

*Last Circle* but also provides many new details.

Asked about Mike Riconosciuto for this story, Tyree would say only this: "He's very good at what he does. There are very, very few who can touch him, maybe two hundred in the whole world. Riconosciuto's in a class all by himself."

Those documents, as later described to me by RCMP investigator Sean McDade, proved to be "awesome and right on the money". The essence of those documents is that not only had the Republicans under Meese exploited the software, but the Democrats had also seen its potential and moved years earlier. Nowhere was this connection more clearly exposed than in understanding the relationship between three classmates from the US Naval Academy: Jimmy Carter, Stansfield Turner (Carter's CIA director), and billionaire banker/presidential kingmaker (and Carter's Annapolis room-mate) Jackson Stephens from Arkansas.

The Tyree diagrams laid out in detail how Promis, after improvement with AI, had allegedly been mated with the software of Jackson Stephens's firm, Systematics. In the late 1970s and early 1980s, Systematics handled some 60–70 per cent of all electronic banking transactions in the US. The goal, according to the diagrams which laid out (subsequently verified) relationships between Stephens, Worthen Bank, the Lippo Group and the drug/intelligence bank BCCI, was to penetrate every banking system in the world. This "cabal" could then use Promis both to predict and to influence the movement of financial markets worldwide. Stephens, truly bipartisan in his approach to profits, has been a life-long supporter of George Bush, and at the same time he was the source of the \$3 million loan that rescued a faltering Clinton campaign in early 1992. There is a great photograph of Stephens with a younger George "W" Bush in the excellent BCCI history, *False Profits*.

In the fall of 1997, Bill McCoy, who had recently gone off his heart medication, was found dead in his favourite chair. In the days and weeks before, he had been advised by Tyree that a Pakistani hit man, on an Israeli contract, had been in the States seeking to fulfill a hit on McCoy. There had been other hints that someone closer to McCoy might do the job.

Tyree recently told *FTW* that just before McCoy's death he had given him information on "Elbit" flash memory chips, allegedly designed at Kir Yat-Gat south of Tel Aviv. The unique feature of the Elbit chips was that they worked on ambient electricity in a computer; in other words, they worked when the computer was turned off. When combined with another newly developed chip, the "Petrie", which was capable of storing up to six months' worth of key strokes, it was now possible to burst-transmit all of a computer's activity in the middle of the night to a nearby receiver—say, in a passing truck or even a low-flying SIGINT (Signals Intelligence) satellite. According to Tyree, this was the methodology used by Jonathan Pollard and the Israeli Mossad to compromise many foreign embassies in Washington.

Within 48 hours of his death, Bill McCoy's body was cremated, and in less than four days all of Mac's furniture, records and personal belongings had been removed from his home by his son, a full Colonel in the Army. The house had been sanitised and repainted and, aside from the Zen garden in the backyard, there was no trace that McCoy had ever lived there.

## ENTER THE MOUNTIES

Thanks to a strong push in my direction from Cheri Seymour, the Mounties and Hercules PD homicide detective Sue Todd arrived at my door on August 3rd. They had already consumed most of the *FTW* website and were well familiar with my writings. I had let them know, through Cheri, that I did have information on Promis from Bill Tyree and I would be happy to share it.

Before getting into details, we all went out for lunch at a nearby Chinese restaurant. In setting basic outlines for our conversations that day, I indicated that as a journalist I viewed our discussions as off-the-record. I took no notes and did not tape-record any of the discussion. I am recounting the events now, only after corresponding with McDade and advising him of my intention to write. He responded and did not object. I took the same position with Detective Todd. I warned the Mounties and Todd at the outset that a sudden termination of their investigations was likely and that they would all become expendable. It happened to *me* once.

Over lunch, the Mounties were quite candid about the fact that the RCMP had Promis software and that it even went by the name "Promis". I think they may have also mentioned the name "PIRS", which is an acknowledged system in the RCMP network. They stated that they had been given their version of Promis by the Canadian Security and Intelligence Service (CSIS).

The CSIS broke away from the Mounties in 1984, and was intended to be "purely" an intelligence agency. It was created largely with the expertise and assistance of the CIA. All of us understood two things about that arrangement and we discussed them openly. Firstly, there was a question as to whether or not any intelligence service created by the CIA could be completely loyal to its native country. Secondly, it was also understood that there was a rivalry between the two agencies, similar to the one that existed between the FBI and the CIA or, in a larger context, the Clinton gang and the Bush

**Clearly, the chief concern of the Mounties was to ascertain whether or not *their* version of Promis was one that was compromised.**

gang in the US.

Clearly, the chief concern of the Mounties was to ascertain whether or not *their* version of Promis was one that was compromised.

McDade also described in detail how he knew that supposedly secure RCMP communications equipment had been compromised by the NSA. The Mounties acknowledged regular meetings with Cheri Seymour, but evinced none of the interest she said they had previously shown in Mossad. With me, their single-minded focus was Bill Tyree, and where and how he obtained his information.

Sue Todd confirmed for me suspicions that there was an unspoken alliance between the RCMP investigators and the FBI. She said that during the course of her three years of efforts to solve the double murder in Hercules, she had routinely visited FBI offices and enjoyed access to FBI files relative to both the Promis investigation and anything connected to her victims. That information was obviously being shared with the Mounties, and that implied the blessings of the FBI.

In short, a domestic law enforcement officer was sharing information with agents of a foreign government. In some cases that could provoke espionage charges, but in this case it was apparently sanctioned. The Hercules murder victims had no apparent connection to Promis software in any way, except for the fact that Riconosciuto had possessed knowledge about the



murders which he had provided to Todd from prison. The Hercules Armament Corporation, featured in *The Last Circle*, was an obvious link. I also noted that the father in Todd's case had been a computer engineer with passions for both geological research and hypnosis, and no other visible connections to the Promis story.

As we copied Tyree's papers and went through other materials the next day, I was aware that the Canadians were expressing special interest in Jackson Stephens and anything having to do with the manipulation of financial markets. They asked for copies of news reports I had, showing that General Wesley Clark, the recently retired NATO Commander, had just gone to work for Stephens, Inc. in Little Rock, Arkansas. I also provided documents showing that a Stephens-connected firm, Alltel, which had purchased Systematics, was moving heavily into data processing for the mortgage market and HUD [Housing and Urban Development].

As the Mounties repeatedly pressed for information on the identity of the Sergeant Major, I referred them to Tyree directly through his attorney Ray Kohlman, and to Tyree's closest friend Dee Ferdinand, the daughter of CIA bagman and paymaster Albert Carone. (For more on Carone, visit the *FTW* website.) Sean McDade eventually contacted Ferdinand by phone, and shortly thereafter one of the most bizarre twists in the whole story took place.

About a week after meeting the Mounties, I heard back from Sean that the Tyree documents and flow charts from 1996 had been right on the money.

A special recurring theme in those documents that meshes with Seymour's research is that modified versions of Promis software, with both artificial intelligence and trapdoors, were being smuggled out of Los Alamos nuclear labs in containers labelled as radioactive waste. According to Tyree and other sources, the safest place in the world after an Indian reservation, that no one will ever break into, is a nuclear waste dump. This also applies to containers in transit between countries. The radioactive warning label guarantees unmolested movement of virtually anything. Promis software is apparently no exception.

#### AL CARONE AND BILL CASEY FROM THE GRAVE

The story of Albert Vincent Carone has also been covered exhaustively in *FTW*, both in the newsletter and on the website. A retired NYPD detective and also a made-member of the Genovese crime family, Carone spent his entire working career as a CIA operative. For more than 25 years before his mysterious death in 1990, Al Carone served as a bagman and liaison between George Bush, CIA Director Bill Casey, Oliver North, Richard Nixon and many other prominent figures including Robert Vesco, Manuel Noriega and Ferdinand Marcos. The Carone-Tyree connection, covered in detail in *FTW* September 1998 issue (vol. 1, no.7), goes back to operations in the mid-1970s when Tyree, serving with the Special Forces, engaged in CIA-directed missions for which Carone was the paymaster.

Carone's death from "chemical toxicity of unknown etiology" in 1990 resulted in the sanitising of all of his military and NYPD records as well as the theft and disappearance of nearly 10 million dollars in bank accounts, insurance policies and investments.

Virtually overnight, almost every record of Carone disappeared, leaving his daughter and her family nearly bankrupt under the burden of tens of thousands of dollars in medical bills.

In 1996, Carone's daughter, Dee Ferdinand, discovered that Tyree and Carone had known each other and that Tyree could prove instrumental in helping to restore Carone's lost fortune. Ferdinand filed a suit in US District Court this spring, seeking to recover pensions, insurance policies and benefits in a case which has no known connection to Promis. I have known Ferdinand and her family for more than seven years. Never once has she mentioned a connection between her father and Promis, although she was well familiar with the case from Tyree and conversations with Bill Hamilton. I had referred the Mounties to her because of my belief that she could possibly help identify Tyree's source, the Sergeant Major.

On August 10th, exactly one week after the Mounties came to see me, the DoJ mailed Ferdinand a response to her suit, seeking dismissal. Included in the paperwork was a bizarre document, now in *FTW*'s possession, that by the account of both Ferdinand and her lawyer had absolutely nothing to do with her case. The document in question was a 29 March 1986 Declaration from CIA Director William Casey, a close friend of the Carone family. Paragraph 6 of that document (prepared for another case) stated:

"Two of the documents responsive to Plaintiffs' Request No. 1, specifically the one-page letter dated 28 March 1979 and a one-page letter dated 8 January 1980, have been released in the same excised form as they were previously released by the government of Canada. I independently and formally assert the state secrets privilege for the information excised from these two documents."

Dee Ferdinand called me immediately. The letter had nothing to do with her suit. It mentioned Canada. Canada was not even mentioned in her suit. What was going on?" she asked. "It's blackmail," I answered.

"CIA, which is monitoring everything the Canadians do, everything I do, everything you do, knows that I will tell the Mounties of these letters."

McDade didn't grasp the concept at first. He was a straight-ahead street cop. But I had been through something similar when serving as the press spokesman for the Perot presidential campaign in 1992. I explained it to Sean: "Sean, you and I are just the messengers. But I guarantee that at some level of your government, the CIA's reference to these letters will scare people to death. It is a reminder that CIA has them."

A week later, McDade told me that the dates were indeed significant—very significant. That's all he would say.

*From The Wilderness* has what may be a possible explanation for the dates in question. On the dates these letters were written, the President and CIA Director were Jimmy Carter and Stansfield Turner. Aside from the then recent Russian invasion of Afghanistan, a saga in which the Canadian government played a minor role, the largest drama on the world scene was the overthrow of the Shah of Iran in January 1979, the rise of the Ayatollah Khomeini and the seizure of the US Embassy in Tehran later that year. The Canadian government and the CIA worked very closely in Iran, the Canadian Embassy even housing some CIA personnel who had escaped the crowds of students. But that kind of assistance is not something to hide. Another explanation

**For more than 25 years before his mysterious death in 1990, Al Carone served as a bagman and liaison between George Bush, Bill Casey, Oliver North, Richard Nixon and many other prominent figures including Robert Vesco, Manuel Noriega and Ferdinand Marcos.**

was needed to explain the shock waves in Ottawa.

Recently, a source using a code-name known to *FTW* has surfaced with information relating to Promis. In his communiqués he describes the use of Promis software by the Bush family to loot the secret bank accounts of Mañuel Noriega and Ferdinand Marcos. Promis is able to do this because funds can be transferred out of accounts without a trace. Remember the trapdoor? The rule of thumb here is that crooks, especially CIA-sponsored crooks, don't usually go to the cops when somebody steals their stolen money. From my personal experience in the era, and direct exposure to two members of the Iranian royal family, both before and after the overthrow, I am acutely aware that the Shah, then perhaps the richest man in the world, was actually targeted by the CIA. His downfall was no accident. Once worth more than US\$20 billion, the Shah ended his life a refugee in Egypt. Many of his billions disappeared and the family was very upset about it.

Could the financial power of Promis have been turned loose first through Canada when Carter was President in the US? The Shah did a lot of banking in Canada. We may never know the answer. But if the downfalls of wealthy, US-supported dictators Noriega and Marcos are any indication, the answer is likely "yes". And the Shah was wealthier than both of them put together. Where'd all that money go?

#### THE EVOLUTION OF "PROMIS"

On August 25th, the *Toronto Star* broke what was to become a series of stories by Valerie Lawson and Allan Thompson. The cat was out of the bag. Various figures known to have direct connections to Riconosciuto had been virtually dogging the Mounties' every move as they travelled in the US. One even contacted me just days after the Mounties had left LA. It was a story that could not be kept under wraps forever. Most of the *Star* story was accurate. It was going to be difficult for the RCMP to move quietly now.

A Reuters story the same day closed with the following paragraphs:

"Canada's national counterintelligence agency said in a June report that friendly nations were making concerted efforts to steal sensitive technology and information.

"The Canadian Security Intelligence Service said outsiders were particularly interested in aerospace, biotechnology, chemicals, communications, information technology, mining and metallurgy, nuclear energy, oil and gas, and the environment."

That was Geomatics, at the heart of Canada's space program, Canada's flagship space technology. I checked the *Star* story. There had been no mention of high-tech or space-related issues. What did Reuters know? In mid-September, after receiving confidential source documents related to the case, telling me that one version of Promis, modified in Canada, was handled through the Canadian firm I.P. Sharp, I got an answer. A quick search on the web revealed that Sharp, a well-documented component of the case, had been bought by a Reuters company in the early 1990s. Hamilton later told me he had heard that Reuters possibly had the Promis software. That would explain how they knew about the aerospace connection.

Michael Dobbs of the *Washington Post* called and asked what I

knew. I confirmed that I had met with the Mounties but didn't know much else other than give them the Tyree flow charts. The *Post* was never going to tell the truth. Their business was keeping secrets, not revealing them. The Mounties had made waves.

On August 28th, the phone rang and it was a collect call from Tyree. "Get a tape recorder and turn it on," he said. Over the course of the next half an hour, Tyree, obviously reading from detailed and copious notes, named individuals and companies dealing with Promis software and its progeny. He was specific, down to naming specific engineers in military and private corporations doing Promis research. Tyree described specific congressional committees which had been infiltrated with "enhanced" Promis. Tyree described how Promis progeny, having inspired four new computer languages, had made possible the positioning of satellites so far out in space that they were untouchable. At the same time, the progeny had improved video quality to the point where the same satellite could focus on a single human hair. The ultimate big picture.

Promis progeny had also evolved to the point where neural pads could be attached to plugs in the back of the human head, allowing thought to be translated into electrical impulses that would be equally capable of flying a plane or wire-transferring money. Names like Sandia, Caltech, Micron, Tech University of Graz, Oded Leventer and Massimo Grimaldi rolled from his lips as he tore through the pages of notes. Data, such as satellite reconnaissance, could now also be downloaded from a satellite directly into a human brain. The evolution of artificial intelligence had progressed to a point where animal behaviour and thought were being decoded. Mechanical humans were being tested. Animals were being controlled by computer.

Billy Tyree saved Canada for last. He described how Canada had been provided with modified Promis software, which Canada then modified again—or thought they had modified—to eliminate the trapdoor. That software, turned loose in the financial and scientific communities, then became Canada's means of believing that they were securing the trapdoor information from the entities to whom they provided *their* versions of Promis. But,

unknown to the Canadians, the Elbit chips in the systems bypassed the trapdoors and permitted the transmission of data when everyone thought the computers were turned off and secure. Tyree did not explain how the chips physically got into the Canadian computers.

"This," Tyree said, "is how you cripple everything Canada does that you don't like. And if you want proof, I offer you the fact that we toppled the government of Australia in [1975]." "[Prime Minister] Gough Whitlam and Nugan Hand [Bank]," I answered. Tyree affirmed. (He said "1980", but later indicated he had confused the 1975 date with the death of Frank Nugan because the events are connected.) The Whitlam Labor Government had been suddenly unseated after making nationalistic noise and questioning the role of US intelligence agencies in Australian affairs.

The issue of a coming feud between the dollar and the euro

**Data, such as satellite reconnaissance, could now also be downloaded from a satellite directly into a human brain.**

**The evolution of artificial intelligence had progressed to a point where animal behaviour and thought were being decoded.**

**Continued on page 81**





# ADVERSE EFFECTS OF ADJUVANTS IN VACCINES

*Adjuvants are chemical substances which are added to vaccines to boost immune response, but many of them are known to cause a range of serious side-effects.*

**Part 1 of 2**

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[Editor's Note: This article refers to research studies involving animals. We wish to advise readers that we at NEXUS do not condone or support the validity, efficacy or morality of animal experimentation or vivisection.]

## ADJUVANTS, PRESERVATIVES AND TISSUE FIXATIVES IN VACCINES

Vaccines contain a number of substances which can be divided into the following groups:

1. Micro-organisms, either bacteria or viruses, thought to be causing certain infectious diseases and which the vaccine is supposed to prevent. These are whole-cell proteins or just the broken-cell protein envelopes, and are called *antigens*.
2. Chemical substances which are supposed to enhance the immune response to the vaccine, called *adjuvants*.
3. Chemical substances which act as *preservatives* and *tissue fixatives*, which are supposed to halt any further chemical reactions and putrefaction (decomposition or multiplication) of the live or attenuated (or killed) biological constituents of the vaccine.

All these constituents of vaccines are toxic, and their toxicity may vary, as a rule, from one batch of vaccine to another.

In this article, the first of a two-part series, we shall deal with adjuvants, their expected role and the reactions (side effects).

## ADJUVANTS

The desired immune response to vaccines is the production of antibodies, and this is enhanced by adding certain substances to the vaccines. These are called *adjuvants* (from the Latin *adjuvare*, meaning "to help").

The chemical nature of adjuvants, their mode of action and their reactions (side effects) are highly variable. According to Gupta et al. (1993), some of the side effects can be ascribed to an unintentional stimulation of different mechanisms of the immune system, whereas others may reflect general adverse pharmacological reactions which are more or less expected.

There are several types of adjuvants. Today the most common adjuvants for human use are aluminium hydroxide, aluminium phosphate and calcium phosphate. However, there are a number of other adjuvants based on oil emulsions, products from bacteria (their synthetic derivatives as well as liposomes) or gram-negative bacteria, endotoxins, cholesterol, fatty acids, aliphatic amines, paraffinic and vegetable oils. Recently, monophosphoryl lipid A, ISCOMs with Quil-A, and Syntex adjuvant formulations (SAFs) containing the threonyl derivative or muramyl dipeptide have been under consideration for use in human vaccines.

Chemically, the adjuvants are a highly heterogeneous group of compounds with only one thing in common: their ability to enhance the immune response—their adjuvanticity. They are highly variable in terms of how they affect the immune system and how serious their adverse effects are due to the resultant hyperactivation of the immune system.

The mode of action of adjuvants was described by Chedid (1985) as: the formation of a depot of antigen at the site of inoculation, with slow release; the presentation of antigen to immunocompetent cells; and the production of various and different lymphokines (interleukins and tumour necrosis factor).

The choice of any of these adjuvants reflects a compromise between a requirement for adjuvanticity and an acceptable low level of adverse reactions.

The discovery of adjuvants dates back to 1925 and 1926, when Ramon (quoted by Gupta et al., 1993) showed that the antitoxin response to tetanus and diphtheria was increased by injection of these vaccines, together with other compounds such as agar, tapioca, lecithin, starch oil, saponin or even breadcrumbs.

The term *adjuvant* has been used for any material that can increase the humoral or cellular immune response to an antigen. In the conventional vaccines, adjuvants are used to elicit an early, high and long-lasting immune response. The newly developed purified subunit or synthetic vaccines using biosynthetic, recombinant and other modern technology are poor immunogens and require adjuvants to evoke the immune response.

The use of adjuvants enables the use of less antigen to achieve the desired immune response, and this reduces vaccine production costs. With a few exceptions, adjuvants are foreign to the body and cause adverse reactions.

Part 1 deals with the following types of adjuvants (after Gupta et al., 1993):

#### Oil emulsions

Freund's emulsified oil adjuvants (complete and incomplete)

Arlacel A

Mineral oil

Emulsified peanut oil adjuvant (adjuvant 65)

#### Mineral compounds

Bacterial products

*Bordetella pertussis*

*Corynebacterium granulosum*-derived P40 component

Lipopolysaccharide

*Mycobacterium* and its components

Cholera toxin

Liposomes

Immunostimulating complexes

(ISCOMs)

Other adjuvants

Squalene

#### Oil Emulsions

In the 1960s, emulsified water-in-oil and water-in-vegetable-oil adjuvant preparations used experimentally showed special promise in providing exalted "immunity" of long duration (Hilleman, 1966). The development of Freund's adjuvants emerged from studies of tuberculosis. Several researchers noticed that immunological responses in animals to various antigens were enhanced by introduction into the animal of living *Mycobacterium tuberculosis*. In the presence of *Mycobacterium*, the reaction obtained was of the delayed type, transferrable with leukocytes. Freund measured the effect of mineral oil in causing delayed-type hypersensitivity to killed mycobacteria. There was a remarkable increase in complement-fixing antibody response as well as in delayed hypersensitivity reaction.

Freund's adjuvant consists of a water-in-oil emulsion of aqueous antigen in paraffin (mineral) oil of low specific gravity and low viscosity. Drakeol 6VR and Arlacel A (mannide monooleate) are commonly used as emulsifiers.

There are two Freund's adjuvants: *incomplete* and *complete*. The *incomplete* Freund's adjuvant consists of water-in-oil emulsion without added mycobacteria; the *complete* Freund's adjuvant consists of the same components but with 5 mg of dried, heat-killed *Mycobacterium tuberculosis* or butyricum added.

The mechanism of action of Freund's adjuvants is associated with the following three phenomena:

1. The establishment of a portion of the antigen in a persistent form at the injection site, enabling a gradual and continuous release of antigen for stimulating the antibody;

2. The provision of a vehicle for transport of emulsified antigen throughout the lymphatic system to distant places, such as lymph nodes and spleen, where new foci of antibody formation can be established; and,

3. Formation and accumulation of cells of the mononuclear series which are appropriate to the production of antibody at the local and distal sites.

The pathologic reaction to the Freund's adjuvants starts at the injection site with mild erythema and swelling followed by tissue necrosis, intense inflammation and the usual progression to the formation of a granulomatous lesion. Scar and abscess formation may occur. The reactions observed following the administration of the *complete* adjuvant are generally far more extensive than with the *incomplete* adjuvant. The earliest cellular response is polymorphonuclear, then it changes into mononuclear and later includes plasmocytes. The adjuvant emulsion may be widely disseminated in various organs, depending on the route of inoculation, with the development of focal granulomatous lesions at distal places. Various gram-negative organisms may show a potentiating effect of the adjuvant, similar to that displayed by mycobacteria.

The earliest use of oil emulsion adjuvants was made with the influenza vaccine by Friedwald (1944) and by Henle and Henle (1945). Following their promising results on animals, Salk (1951) experimented with such adjuvants on soldiers under the auspices of the US

Armed Forces Epidemiological Board. He used a highly refined mineral oil, and developed a purified Arlacel A emulsifier which was free of toxic substances, such as oleic acid which had caused sterile abscesses at the injection site, and he administered the vaccine by intramuscular route.

Subsequently, Miller et al. (1965) reported their failure to enhance the antibody and protective response to types 3, 4 and 7 adenovirus vaccines in mineral oil adjuvant compared with aqueous vaccine. Unpublished studies have revealed the need for an adequate minimal amount of antigen to trigger an antibody response to the emulsified preparations.

Salk et al. (1953) applied Freund's adjuvant to poliomyelitis vaccine, and later followed with extensive testing of killed crude as well as purified polio virus vaccine in animals and humans, where the reactions in humans were considered inconsequential.

Grayston et al. (1964) reported highly promising results with the trachoma vaccine using an oil adjuvant. However, the trachoma vaccine lost its relevance because, as demonstrated by Dolin et al. (1997) in their 37 years of research in a sub-Saharan village, the dramatic fall in the disease occurrence was closely connected with improvements in sanitation, water supply, education and access to health care. According to Dolin et al. (1997), the decline in trachoma occurred without any trachoma-specific intervention.

Allergens in Freund's adjuvant deserve special attention because they can be dangerous. These dangers include an overdose, i.e.,

**With a few exceptions,  
adjuvants are foreign  
to the body and cause  
adverse reactions.**

the immediate release of more than the tolerated amount of properly emulsified vaccine in sensitive persons, or the breaking of the emulsion with the release of all or part of the full content of the allergen within a brief period of time. Long-term delayed reactions include the development of nodules, cysts or sterile abscesses requiring surgical incision. It is also likely that some allergens used, such as house dust or mould, might have acted like mycobacteria to potentiate the inflammatory response. Such reactions have been reduced with the use of properly tested and standardised reagents.

One must also consider that the first application of Freund's adjuvants was made at a time when modern concepts of safety were non-existent. Indeed, mineral oil adjuvants have not been approved for human use in some countries, including the USA.

### Mineral Compounds

Aluminium phosphate or aluminium hydroxide (alum) are the mineral compounds most commonly used as adjuvants in human vaccines. Calcium phosphate is another adjuvant that is used in many vaccines. Mineral salts of metals such as cerium nitrate, zinc sulphate, colloidal iron hydroxide and calcium chloride were observed to increase the antigenicity of the toxoids, but alum gave the best results.

The use of alum was applied more than 70 years ago by Glenny et al. (1926), who discovered that a suspension of alum-precipitated diphtheria toxoid had a much higher immunogenicity than the fluid toxoid. Even though a number of reports stated that alum-adjuvanted vaccines were no better than plain vaccines (Aprile and Wardlaw, 1966), the use of alum as an adjuvant is now well established. The most widely used is the antigen solution mixed with pre-formed aluminium hydroxide or aluminium phosphate under controlled conditions. Such vaccines are now called *aluminium-adsorbed* or *aluminium-adjuvanted*. However, they are difficult to manufacture in a physico-chemically reproducible way, which results in a batch-to-batch variation of the same vaccine. Also, the degree of antigen absorption to the gels of aluminium phosphate and aluminium hydroxide varies. To minimise the variation and avoid the non-reproducibility, a specific preparation of aluminium hydroxide (Alhydrogel) was chosen as the standard in 1988 (Gupta et al., 1993).

The aluminium adjuvants allow the slow release of antigen, prolonging the time for interaction between antigen and antigen-presenting cells and lymphocytes. However, in some studies, the potency of adjuvanted pertussis vaccines was more than that of the plain pertussis vaccines, while in others no effect was noted. The serum agglutinin titres, after vaccination with adjuvanted pertussis vaccines, were higher than those of the plain vaccines, with no difference in regard to protection against the disease (Butler et al., 1962). Despite these conflicting results, aluminium compounds are universally used as adjuvants for the DPT (diphtheria-pertussis-tetanus) vaccine. Hypersensitivity reactions following their administration have been reported which could be attributed to a number of factors, one of which is the production of IgE along with IgG antibodies.

It was suggested that polymerised toxoids, such as the so-called glutaraldehyde-detoxified purified tetanus and diphtheria toxins,

should be used instead of aluminium compounds. They are used combined with glutaraldehyde-inactivated pertussis vaccine.

Calcium phosphate adjuvant has been used for simultaneous vaccination with diphtheria, pertussis, tetanus, polio, BCG, yellow fever, measles and hepatitis B vaccines and with allergens (Coursaget et al., 1986). The advantage of this adjuvant has been seen to be that it is a normal constituent of the body and is better tolerated and absorbed than other adjuvants. It entraps antigens very efficiently and allows slow release of the antigen. Additionally, it elicits high amounts of IgG-type antibodies and much less of IgE-type (reaginic) antibodies.

### Bacterial Products

Micro-organisms in bacterial infections and the administration of vaccines containing whole killed bacteria and some metabolic products and components of various micro-organisms have been known to elicit antibody response and act as immunostimulants. The addition of such micro-organisms and substances into vaccines augments the immune response to other antigens in such vaccines.

The most commonly used micro-organisms, whole or their parts, are *Bordetella pertussis* components, *Corynebacterium*-derived P40 component, cholera toxin and mycobacteria.

#### • *B. pertussis* components

The killed *Bordetella pertussis* has a strong adjuvant effect on the diphtheria and tetanus toxoids in the DPT vaccines. However, there are a number of admitted and well-described reactions to it, such as convulsions, infantile spasms, epilepsy, sudden infant death syndrome (SIDS), Reye's syndrome, Guillain-Barre syndrome, transverse myelitis and cerebral ataxia. Needless to say, the causal link to it is often (even though not always)

vehemently disputed and generally considered "coincidental".

Paradoxically, in one case of shaken baby syndrome in which the baby developed subdural and retinal haemorrhages from the disease whooping cough, doctors accused the father of causing these injuries and strenuously denied that the disease pertussis can and does cause such haemorrhages—forgetting that this is the very reason why pertussis vaccine was developed against such a potentially devastating disease in the first place. Such devastating effects are caused by the pertussis toxin, the causative agent of the disease (pertussis is a toxin-mediated disease), employed as the active ingredient in all pertussis vaccines whether whole-cell or acellular (Pittman, 1984).

Gupta et al. (1993) concluded that PT is too toxic to be administered to humans, but chemically detoxified or genetically inactivated PT may not exhibit the adjuvant effects comparable to the native PT.

#### • *Corynebacterium*-derived P40

P40 is a particulate fraction isolated from *Corynebacterium granulosum*, composed of the cell wall peptidoglycan associated with a glycoprotein. In animals, it displays a number of activities such as stimulation of the reticulo-endothelial system, enhancement of phagocytosis and activation of macrophages.

P40 abolishes drug-induced immunosuppression and increases non-specific resistance to bacterial, viral, fungal and parasitic

Despite these conflicting results, aluminium compounds are universally used as adjuvants for the DPT (diphtheria-pertussis-tetanus) vaccine.

infections. It induces the formation of IL-2, tumour necrosis factor, and interferon alpha and gamma (Bizzini et al., 1992). In clinical trials, P40 was claimed to be efficacious in the treatment of recurrent infections of the respiratory and genito-urinary tracts. Allergens coupled to P40 have been said to be instrumental in desensitising allergic patients without any side effects.

- **Lipopolysaccharide (LPS)**

LPS is an adjuvant for both humoral and cell-mediated immunity. It augments the immune response to both protein and polysaccharide antigens. It is too toxic and pyrogenic, even in minute doses, to be used as an adjuvant in humans.

- **Mycobacterium and its components**

Interestingly, *Mycobacterium* and its components, as originally formulated, were too toxic to be used as adjuvants in humans. However, the efforts to detoxify them resulted in the development of N-acetyl muramyl-L-alanyl-D-isoglutamine, or muramyl dipeptide (MDP). When given without antigen, it increased non-specific resistance against infections with bacteria, fungi, parasites, viruses, and even against certain tumours (McLaughlin et al., 1980). However, MDPs are potent pyrogens (maybe that's why they may be effective against certain tumours—my comment) and their action is not completely understood; hence they are not acceptable for use in humans.

- **Cholera Toxin**

A major drawback with cholera toxin as a mucosal adjuvant is its intrinsic toxicity.

- **Liposomes**

Liposomes are particles made up of concentric lipid membranes containing phospholipids and other lipids in a bilayer configuration separated by aqueous compartments. They have been used parenterally in people as carriers of biologically active substances (Gregoriadis, 1976) and considered safe.

- **Immunostimulating complexes (ISCOMs)**

ISCOMs (DeVries et al., 1988; Morein et al., 1990; Lovgren et al., 1991) represent an interesting approach to stimulation of the humoral and cell-mediated immune response towards amphipathic antigens. It is a relatively stable but non-covalently-bound complex of saponin adjuvant Quil-A, cholesterol and amphipathic antigen in a molar ratio of approximately 1:1:1. The spectrum of viral capsid antigens and non-viral amphipathic antigens of relevance for human vaccination, incorporated into ISCOMs, comprises influenza, measles, rabies, gp340 from EB-virus, gp120 from HIV, *Plasmodium falciparum* and *Trypanosoma cruzi*.

ISCOMs have been shown to induce cytotoxic T-lymphocytes (CTL). Following oral administration, some types of CTLs were found in mesenteric lymph nodes and in the spleen, and specific IgA response could be induced.

ISCOMs have only been used in veterinary vaccines, partly due to their haemolytic activity and some local reactions all reflecting the detergent activity of the Quil-A molecule.

- **Other Adjuvants: Squalene**

Squalene is an organic polymer with some antigenic epitopes

which might be shared with other organic polymers acting as immunostimulators. It has been used in experimental vaccines since 1987 (Asa et al., 2000) and it was used in the experimental vaccines given to a great number of the participants in the Gulf War. These included those who were *not* deployed but received the same vaccines as those who *were* deployed.

The adjuvant activity of non-ionic block copolymer surfactants was demonstrated when given with 2% squalene-in-water emulsion. However, this adjuvant contributed to the cascade of reactions called "Gulf War syndrome", documented in the soldiers involved in the Gulf War. The symptoms they developed included arthritis, fibromyalgia, lymphadenopathy, rashes, photosensitive rashes, malar rashes, chronic fatigue, chronic headaches, abnormal body hair loss, non-healing skin lesions, aphthous ulcers, dizziness, weakness, memory loss, seizures, mood changes, neuropsychiatric problems, anti-thyroid effects, anaemia, elevated ESR (erythrocyte sedimentation rate), systemic lupus erythematosus, multiple sclerosis, ALS (amyotrophic lateral sclerosis), Raynaud's phenomenon, Sjögren's syndrome, chronic diarrhoea, night sweats and low-grade fevers.

This long list of reactions shows just how much damage is done by vaccines, particularly when potentiated by powerful "immuno-enhancers" such as squalene and other adjuvants. Interestingly, vaccinators as a rule consider such problems as mysterious and/or coincidental with vaccines. Since the administration of a multitude of vaccines to the participants (and prospective participants) in the Gulf War is well-documented (in fact, veterans claim they were given many more than were even recorded), this list of observed reactions further incriminates the vaccines as causing such problems.

Continued in the next issue...

**Editor's Note:**

Due to space constraints, we are unable to publish the references for Part 1 of Dr Scheibner's article until next issue. If any readers

urgently require a copy of these references, please contact your nearest NEXUS office.

**About the Author:**

Viera Scheibner, PhD, is a retired principal research scientist with a doctorate in natural sciences. During her distinguished career, she published three books and some 90 scientific papers in refereed scientific journals.

Since the mid-1980s when she helped develop the Cotwatch breathing monitor for babies at risk of cot death (sudden infant death syndrome, or SIDS), Dr Scheibner has done extensive research into vaccines and vaccinations. In 1993 she published *Vaccination: The Medical Assault on the Immune System*, and in mid-2000 followed up with *Behavioural Problems in Childhood: Link to Vaccination* (see review, 7/05).

Dr Scheibner regularly conducts lectures, attends conferences and debates, is often asked by lawyers to provide expert reports for vaccine-damage court cases. Her previous articles for NEXUS covered the SIDS/vaccines link (2/05), the brain-eating bugs/vaccines connection (3/03), and the shaken baby syndrome/vaccination controversy (5/05).

This long list of reactions shows just how much damage is done by vaccines, particularly when potentiated by powerful "immuno-enhancers" such as squalene and other adjuvants.







# PARASETI

## ET CONTACT VIA SUBTLE ENERGIES

*Have signals from intelligent life elsewhere in the Universe passed us by because our technology is not designed to detect a range of more subtle energy frequencies?*

by Gavin Dingley © 2000

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Are we alone in the Universe? This is probably one of the most important questions to be answered, yet modern science seems reluctant to address it. It is almost certain that life does exist in some other part of the Universe; it is just a question of how far away and how evolved it is, never mind its state of technological development. What would really hit home would be tangible evidence of an extraterrestrial intelligence that was as technologically developed as ourselves, perhaps more so, if only to just say "Hi out there!" Face-to-face contact would not be necessary; just to know we are not alone would be enough.

With this in mind, NASA started a program that was directed towards scanning the eternal cosmos for intelligent life, hoping to find a signal from a civilisation as technologically developed as our own. This project was named SETI: the Search for Extra-Terrestrial Intelligence.

For a while, it seemed that both the US government and the scientific community were ready to embrace a greater truth; however, this soon proved not to be the case. After many years of initial research and planning, the *real* search for extraterrestrial intelligence began in 1991; a year later, Congress ordered a termination of all funding.

### THE BEGINNINGS OF SETI

SETI began in 1959 with the publication of an article in the journal *Nature*. Two Cornell physicists, Giuseppe Cocconi and Philip Morrison, suggested a project in which the presence of extraterrestrial life could be detected with radiotelescopes tuned into the microwave band (3–30 GHz). However, such an endeavour was already being planned by a young astronomer, the now famous Frank Drake, who in the spring of 1960 scanned sun-like stars for signs of ETI (extraterrestrial intelligence) with an 85-foot dish in West Virginia. Drake hypothesised that a more advanced ETI somewhere out there would be transmitting a signal to catch our (or anyone else's) attention. If so, then they would use one particular frequency of significance. Drake thought that 21 cm (1.4 MHz), the neutral band of hydrogen, would be it. After scanning for some time on this frequency, the young astronomer found nothing, and so ended what he called Project Ozma.

The first government-funded SETI-type project was not in America but in Soviet Russia. During the 1960s, the Russians set up omnidirectional antenna stations to listen in on the heavens in search of signals that might be of intelligent origin. While Drake used a highly directional antenna system, the Russian system would pick up radio emissions from all directions. This strategy meant that if a signal were found, it would be difficult to determine from which direction it originated. On the other hand, the Russian astronomers would never make the mistake of looking in the wrong direction!

It was not until the beginning of the 1970s that the United States government gave any serious thought to searching the Universe for radio signals of ETI origin. The first move was made at NASA's Ames Research Center, Mountain View, California, where several projects were set up to study the technical considerations involved. A team of outside experts was assembled—including Bernard Oliver, who was on leave from the Hewlett Packard Corporation—to produce a detailed report, known as Project Cyclops. By the late 1970s, NASA's Ames Research Center and the Jet Propulsion Laboratory (JPL) in Pasadena, California, were engaged in projects studying the technical aspects of any SETI-type endeavour. Ames concentrated on examining 1,000 sun-like stars for intelligent life, much like Drake's original Project Ozma, in what was known as "targeted search" using sensitive equipment to detect weak or sporadic signals. Meanwhile, JPL was concerned with systematic sweeps in all directions in a complete sky survey.

It was not until 1988, after a decade of study, that NASA HQ had the go-ahead and in 1991 started scanning the cosmos for intelligent life. A year later, Congress terminated funding! It seems very strange that after so many years of developing the technology, the US government should suddenly terminate funding when the actual search was only just beginning. But is there more to this than meets the eye?

Back in the early 1990s, the author had contact with an individual who claimed to be a former KGB officer involved in infiltrating the US National Security Agency (NSA). While serving his home country, a former Soviet state, he was involved in assessing the NSA's signals analysis techniques. Since the Soviet Union's collapse, he has had no authority to answer to and so speaks freely on such subjects. He says that SETI was no more than a cover for a more subversive program. Like the launching of *Sputnik* was no more than an exercise in deploying nuclear weapons, SETI was about eavesdropping on the enemy. This makes a lot of sense, as the technologies involved are very similar indeed.

For a practical SETI program, one requires a system that can scan at high resolution a huge bandwidth of frequencies. Not only this, but it must be able to detect the presence of intelligent transmissions. The latter requirement is achieved using powerful algorithms—code-breakers—which use probability mathematics to analyse the incoming data. Another requirement is that the system should be able to pick out weak signals buried deep within the background noise. Described here is no more than the perfect eavesdropping system—a system that would give a government a great advantage over another.

SETI was the perfect cover and means of drawing in the country's brilliant minds: radio engineers, mathematicians and computer systems experts. SETI was a means of gaining the people's support, a project into which they could freely pump money. Meanwhile, the technology developed could be controlled and siphoned off for more subversive applications.

All the government wanted was the technology; the discovery of intelligence elsewhere in the Universe would at best be an inconvenience, so funding was terminated.

But what of today? As there is no USSR, is there any use for such technology? The answer is yes, for now *we* are the enemy. It is *our* communications which are being tapped into, using the technology developed for SETI.

### SETI PROJECTS TODAY

After funding had been stopped, it was up to the scientists to carry on with the endeavour. To this end, they formed the SETI Institute which, mainly through private funding, carries on to this day the search for intelligent life in the Universe.

Continuing the strategy used by the Ames Research Center, Project Phoenix concentrates on the targeted search, scanning sun-like stars. There have been other SETI projects running in the background of the main government-sponsored project; for instance, SERENDIP (Search for Extraterrestrial Radio Emissions from Nearby Developed Intelligent Populations) has been going strong since 1979. This project has survived by piggybacking on ordinary radio astronomy research, mainly at Arecibo Observatory (as per the film *Contact*).

There are also projects that have been listening in on an entirely different part of the electromagnetic spectrum. OSETI (Optical Search for Extraterrestrial Intelligence) scans the skies for laser signalling from across the Universe. One prominent project, COSETI (Columbus Optical SETI), uses a 10-inch aperture telescope with a sensitive optical transducer and is equipped to monitor for both pulsed beacons as well as modulated continuous wave transmissions. Those in the optical SETI fraternity believe this to be a better option, as it allows greater power to be directed by their hypothetical ETIs trying to get in contact. This aspect of SETI was apparently covered in Bernard Oliver's original Project Cyclops, but again the Russians, namely Shvartsman and Beskin, got there first.

There are also groups who are trying to encourage members of the public to get involved. One such venture is SETI@Home, where you can help by downloading a screen-saver that number-crunches data from the latest radio telescope observations. So while your computer sits idle, it could be searching for "life out there". Another venture is the SETI League, which concentrates on the more technical aspects of SETI.

It is for the bored radio ham who wants a real DX (for those

who don't know, DX is the standard code for long distance on the air bands). Build the kit and download the software and you can be a mini Arecibo Observatory. The big plan is to link over the Internet everybody's mini SETI station to form one great big global dish.

This has been only a short overview of the SETI movement; there are many projects and endeavours that have not been mentioned. Science is going towards a goal that really has great implications for mankind, something everyone on Earth can appreciate. It is only a pity

that it may be going in the wrong direction, especially when one considers that such a goal may already have been reached—around a hundred and fifty years ago!

### FUNDAMENTAL PROBLEMS WITH SETI

There are two main ways in which the SETI project may be directed. The first is to assume that a technologically developed civilisation, like ours, will have developed an electromagnetics-based global telecommunications system, as we have done. Any ETIs that are at a 70-light-year radius from Earth will be receiving the first of our TV transmissions. Equally, it is expected that any technologically advanced ETI civilisation will also be emitting a similar mass of radio signals; this would be the signature of an ETI.

The second approach is to assume that, somewhere out there, there is an ETI that is more advanced than we are and is constantly transmitting a signal to gain our attention. The second approach is preferred because the ETI in question would be transmitting a powerful signal in our direction, while modulating onto that same signal a simple message we can understand. For this reason, most SETI projects are geared up for the latter assumption.

One of the problems here is that the ETI must be fairly close to make the exercise worthwhile, otherwise they may not be around long enough to hear the reply! This is due to the finite speed of light, which here on Earth is more than fast enough for global

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communications. However, across the vastness of space, these 186,000-miles-per-second transmissions take a hell of a long time. For instance, to exchange greetings with an ETI near Proxima Centauri (the nearest star to us) would take around eight years! Would not a more advanced civilisation have discovered either a field or wave that could travel at a velocity greater than that of light? In which case, it would have a better chance of hearing a response.

This same limited velocity of light has another disadvantage: if the transmission has come from some far-distant star system, then the very civilisation from which it came could now be long gone! The electromagnetic wave may have made the world a smaller place, but it also reflects how vast the Universe is in both space and time.

Another assumption made by SETI is with regard to the definition of extraterrestrial intelligence. Looking for microwave transmissions of prime numbers from sun-like stars indicates a narrow criterion for intelligence. First, not all life may be biological; it may not even exist in the physical dimension. Even if it were, assuming it would spout out prime numbers indicates an expectation of a very similar psychology to our own. Also, who's to say their technological development went up the electromagnetic path? It is almost as though they are looking for other human life. So we have found nothing because we narrowed our search before we had even begun! What we need to do is widen our scope and so give ourselves a better chance of finding other intelligent life.

While at the Berkeley Radiation Laboratory, the now famous quantum physicist David Bohm made a startling discovery when conducting research on plasmas. He found that under certain conditions the electrons and ions that composed the plasma managed to organise themselves spontaneously into a single living unit. Like some amoeboid creature, the contained plasma was able to surround and destroy any foreign body that was within its vicinity. Bohm called these plasmic creatures "plasmons".

Considering that plasma is the most abundant state of matter in the Universe, it would seem logical to conclude that plasmons—not hydrocarbon-based life such as ourselves—may make up the greatest percentage of life in the cosmos.

#### EARLY CONTACTS WITH OTHER DIMENSIONS?

As has been mentioned before, communication may have been established with ETIs well over a hundred and fifty years ago, at the dawn of the modern development of electromagnetics.

The first electromagnetics-based communications system was developed by Samuel Morse in the 1830s and demonstrated in 1844; this, of course, was the telegraphic wire. In the original system, a battery and Morse key at the transmitting station actuated an electromechanical transducer some distance away at the receiving end, via a long stretch of cable. A return cable was then connected to the other terminal of the electromechanical device as a current-return back to the transmitting station's battery, these two cables being buried underground out of the way.

It was not long before it was discovered that it was possible to do away with the return cable and use the earth instead. In this

new system, only a single cable was used, the return current to complete the circuit being established through metal stakes inserted into the ground; this was known as a "ground return". As soon as this was done, there were reports of anomalous power surges, so great that telegraph operators complained of big fat blue sparks jumping between their key contacts. Eventually it was decided that there was no point in using a battery any more, and so telegraph networks operated using the power within the earth.

In 1849, Alexander Bain invented the first well-known electrochemical recorder, which would receive, record and print out an incoming transmission through a chemical action. Many companies soon replaced their old electromechanical devices with this more sensitive electrochemical substitute. Due to their low current consumption, these devices were even better at being powered by the natural electrical energy within the ground. However, when many telegraphic operators returned to their posts after a night's sleep, they would find parts of sentences and strange geometric patterns recorded by the device. Could this have been early contact with an ETI or even an EDI—an extradimensional intelligence?

**While at the Berkeley Radiation Laboratory, the now famous quantum physicist David Bohm made a startling discovery when conducting research on plasmas. He found that under certain conditions the electrons and ions that composed the plasma managed to organise themselves spontaneously into a single living unit.**

#### NIKOLA TESLA'S CLOSE ENCOUNTER

Dr Nikola Tesla, the little-known inventor of the AC electrical power system, dedicated much time to researching the high-voltage, high-frequency electrical structure of the planet. During these investigations at his Colorado Springs research station, Tesla noticed that his instruments were receiving some unusual signals. In his own words, he wrote:

*I can never forget the first sensations I experienced when it dawned upon me that I had observed something possibly of incalculable consequences to mankind. I felt as though I were present at the birth of a new knowledge or the revelation of a great truth....*

*My first observations positively terrified me, as there was present in them something mysterious, not to say supernatural, and I was alone in my laboratory at night; but at that time, the idea of these disturbances being intelligently controlled signals did not yet present itself to me. The changes I noted were taking place periodically and with such a clear suggestion of number and order that they were not traceable to any cause known to me.*

*I was familiar, of course, with such electrical disturbances as are produced by the Sun, Aurora Borealis and Earth currents, and I was as sure as I could be of any fact that these variations were due to none of these causes. The nature of my experiments precluded the possibility of the changes being produced by atmospheric disturbances, as has been rashly asserted by some.*

*It was some time afterward when the thought flashed upon my mind that the disturbances I had observed might be due to an intelligent control. Although I could not decipher their meaning, it was impossible for me to think of them as having been entirely accidental. The feeling is constantly growing on me that I had been the first to hear the greeting of one*

*planet to another. A purpose was behind these electrical signals...*

Tesla was investigating a form of radio very different to the one we use today. Our present radio communications use transverse electromagnetic waves that travel through the air—the same technology SETI uses to scan the Universe for signs of ETI. The electromagnetic waves used in Tesla's system were longitudinal and travelled through the Earth and/or the plasmic layer of the atmosphere, i.e., the ionosphere. But it was through the use of this latter system—and not the type used by SETI—that signals of non-human origin had been received.

This incident plagued Tesla's mind for the rest of his life, and so played a part in his last publicly announced invention. While he had spent much of his life investigating the nature of high-voltage, high-frequency electricity, particularly with regard to employing it in a system to transmit electricity without wires, Tesla changed direction in the late 1930s and did research into high-voltage, direct-current electricity. His plan was to transmit electrical energy in the form of a particle beam—an idea that was not practically realised until the late 1980s with SDI, the "Star Wars" project. While his system for transmitting energy via high-frequency potentials was limited to the Earth, Tesla's new particle-beam system was intended to transmit power to other planets! He then hypothesised that if the same beam were modulated with the vibrations of the human voice, we would also be able to communicate with the ETIs who dwell upon our neighbouring planets.

As far as is known, Tesla never had the opportunity to put his plan into action. The political climate at the time, which resulted in World War II, had generated much paranoia. The British had stated that they had a new weapon, a "death ray" invented by their own Mr H. Grindell Matthews. The Russians reacted and stated that they also had such a weapon, invented by Comrade Grammachikoff. Tesla, being a patriot of his adopted country, stated that he had also invented a similar device. Since then, Tesla's instrument of benign communication has been referred to as the "death ray".

### GRAVITY WAVE DETECTORS

In his general theory of relativity, Dr Albert Einstein found a solution that modelled an entirely new type of wave: the gravity wave. General relativity describes the force of gravity as a geometric warping in space-time; if the warping were to take the shape of a wave, then this would be a gravity wave.

While electromagnetic waves occupy three special dimensions (as well as time), gravity waves exist in five, making them hyper-dimensional in nature. However, Einstein stated that these waves probably travelled at the same speed as light, 300,000 km/s, which means that nothing is gained in using gravity waves over their electromagnetic counterpart.

Officially there has been no detection of these waves; however, the design of such gravity detectors has been based on general

relativity theory. There are some who have developed their own theories and so their own detector technology. They also claim to have detected transmissions from other worlds.

### T. TOWNSEND BROWN AND ELECTROGRAVITICS

Thomas Townsend Brown is most remembered, if remembered at all, for his work in antigravity propulsion. Brown found a link between gravity and the force of electricity, based upon the humble electrical condenser or capacitor. While still to graduate from high school, he built a small device that reduced in weight when a high-voltage potential was applied across its terminals. This was the first in a long line of electrogravitic devices able to prove experimentally a unified field theory in which electromagnetism and gravity are shown to be linked.

Whilst studying at Caltech, Brown hypothesised the existence of a form of radiation quite different to the transverse electromagnetic wave. He called it "radiant energy" and thought that it was present throughout the Universe and was gravitational in nature, but as yet was invisible to instruments.

Brown's theory was soon picked up by the press and publicised in several local newspapers. He had already received a negative response from his lecturers over his work with high-voltage weight reduction, so this new line of enquiry was not received well. He was told that such a wave was impossible because it would require gravity to be bipolar—to be able to repel as well as attract.

Brown did not receive any support for his research until he entered Dennison University where he met Dr Alfred Biefeld. Dr Biefeld was one of only a few who could claim to be one of Einstein's classmates back in Switzerland, and so was quite interested in the nature of gravity. In fact, when Brown had described to him his research into the weight reduction of high-voltage capacitors, Biefeld was more than happy to help the young physicist with his investigations.

Biefeld had already considered the possible gravitational effects of charged electrical capacitors after studying the work of the great Michael Faraday, the so-called Father of Electricity. It is a little-known fact that Faraday made the following profound statement as far back as the late Victorian age: "Electrical capacity is to gravity, as inductance is to magnetism". It is a well-known fact that when a current flows through a coil of wire, a magnetic field is generated around the same. In fact, the inductor (the technical name for a coil of wire) is able to store electrical energy within the magnetic field generated. Now, an electrical condenser or capacitor is made up from two sheets of metal separated by an insulator, known as the "dielectric". When an electrical potential is applied across the two plates, the molecules of the dielectric all align with the electric field.

If Faraday is correct, then the energy stored in a capacitor is in the form of a gravitational field, much like the magnetic field of an inductor.

Brown found that such an effect was only noticeable if the following conditions were met:

**Thomas Townsend Brown is most remembered, if remembered at all, for his work in antigravity propulsion.**

**Brown found a link between gravity and the force of electricity, based upon the humble electrical condenser or capacitor.**

- 1) The K-factor of the dielectric (its ability to store energy) was high (in the order of 2,000 or more);
- 2) The density of the dielectric was high (in the order of 10 g/cm<sup>3</sup> or more);
- 3) The applied voltage across the capacitor was high (in the 100,000 V range).

Brown also found that the force generated by charged capacitors was directed towards the positive plate; that is to say, weight reduction only occurs when the positive plate is upside with respect to the negative plate. If the negative plate is above, then the device increases in weight. Biefeld and Brown worked together in investigating what was later termed the "Biefeld-Brown effect" in the general study of electrogravitics.

In 1930, Brown entered the US Navy and became a member of staff at the Naval Research Laboratories (NRL) in Washington, DC. As he was pretty much left to do as he pleased, he carried on with research into the Biefeld-Brown effect. While investigating different substances for suitability as dielectric material, Brown discovered a curious phenomenon.

One of the characteristics of a dielectric is its resistivity—how good an insulator it is. If resistivity is not high enough, then the dielectric is rendered inefficient. This is usually a fixed value, but Brown found that the resistivity of some materials would change over time. In a classified naval report entitled "Anomalous Behaviour of Massive High-K Dielectrics", Brown described how the resistivity of some materials would alter and even follow sidereal diurnal changes. He also noted that some materials would generate spontaneous radiofrequency bursts whose amplitude was a function of the material's mass and K-factor. Also, he found many granitic and basaltic rocks to be electrically polarised; that is, they behaved like electric cells or batteries. These rocks would have as much as 700 mV across them, the amplitude of which would also change in sympathy with solar sidereal cycles. Again, the rock's sensitivity to such changes depended upon its K-factor and mass. It was this latter relation that suggested the phenomenon is gravitational.

During 1937 in Pennsylvania, a Navy-sponsored monitoring station was in operation to record such changes in the electrical self-potential of these rocks. It was noted that there was a strong correlation with the cycles of the Moon, which added further support to the hypothesis that the effect is gravitational in nature. Again, another station was in operation in 1939 in Ohio, which recorded similar patterns to those found in Pennsylvania, and it was concluded that the effect must have had some common outside source. Both research stations were set up within sealed vaults, shielded to exclude any outside electromagnetic interference. Meanwhile, large granitic and basaltic rocks wired to sensitive pen-chart recorders monitored the self-potential variations. The Second World War paused any further investigation into the phenomenon until 1944.

After the War, Brown set up yet another station, but this time on the West Coast in California. He found that the patterns did not match those recorded on the East Coast; however, he did give a possible explanation as to why. He suggested that due to the radiofrequency voltages found in less complex dielectric materials such as titanium dioxide, the detected energy was at these high frequencies and that basaltic and granitic rocks somehow

converted the energy into a DC potential. This process is well known in electronics and is called "rectification", and so the internal structure of these rocks could naturally perform this same process. Now the rocks used in the East Coast investigations were different to those used in California (i.e., from different deposits), so Brown concluded that different rocks are tuned into different bands of this radiofrequency energy. As different frequency bands would fluctuate differently, then it follows that the variations in the self-potential of two different rock deposits would also be different.

From 1950 onwards, Brown concentrated his efforts towards developing the Biefeld-Brown effect so that it could be employed in aviation. It was not until 1970 that Brown returned to investigating petrovoltatics, until his death in 1985.

From these investigations, it is clear that the phenomenon is gravitational in nature and that it manifests as high-frequency electricity. Brown concluded that the energy is in fact the radiant energy he had hypothesised while still at Caltech. This energy is high-frequency gravitational radiation which is being constantly emitted from astronomical objects in outer space. While simple high-K dielectric materials would pick up the radiation and convert

it directly into electrical energy, more complex dielectrics such as granitic and basaltic rock would convert the energy into DC electricity. Not only this, but these rocks are in fact tuned to only a portion of the total radiated energy present throughout the Universe. This means that your average lump of basalt is a natural gravity-wave AM receiver, tuned into only a few specific "radio stations"!

It appears that Brown never analysed these high-frequency signals to see if any of them were of

**However, in 1953 he [Brown] filed a patent that describes a system for intelligent communication via modulated gravitational radiation.**

ETI origin. However, in 1953 he filed a patent that describes a system for intelligent communication via modulated gravitational radiation. In the patent, Brown describes how to convert a normal, high-power radio transmitter into a gravity-wave transmitter, based upon the principles of electrogravitics. The modification is made only to the antenna system, the actual electronics remaining unchanged. A large coil of wire has its base connected to the output of the high-power transmitter so that the radiofrequency energy is end-fed. The other end of the coil has a spherical, electrically conducting, high-density body connected. This spherical body acts as an isotropic capacitor, and so forms a tuned circuit with the coil. In operation, the dense spherical body becomes electrified (but not leaking energy through corona discharge) with high-voltage, high-frequency electricity. The high voltage and mass of the isotropic capacity result in an electrogravitic action; thus gravitational waves of the same frequency as the end-fed energy from the transmitter are emitted from the dense, isotropically capacitive body.

Brown suggests that the spherical body be constructed from lead, as this is both dense in mass and a conductor of electricity. Also, so as to avoid electromagnetic radiation, the whole assembly should be enclosed inside a large vault; for example, within a mountain. A similar set-up is employed so as to receive the transmission, where the receiving antenna is again replaced with this same assembly. Interestingly, this system is very similar to that employed by Tesla at Colorado Springs—the same system that allegedly received signals from an ETI.

Much of Brown's work is under wraps by the US government, held within the Wright Patterson Air Force Base technical library. However, family members still have his notes and are in the process of making them available to the public.

### HODOWANEC'S GRAVITY-WAVE DETECTOR

Working unaware of, but parallel to, Thomas Townsend Brown was Gregory Hodowanec. While developing a new, sensitive weighing balance, Hodowanec noticed slight variations in the reference weights he was using. Assuming that the problem was with the circuitry he had designed, he went about trying to counteract these anomalous variations. After some "stab in the dark" experimentation, Hodowanec found that the humble capacitor in the right part of the circuit counteracted these unusual variations. But the question remained: how could a capacitor be able to generate the signal to nullify these apparent variations in standard reference weights?

On further investigation, Hodowanec found that his weighing system was not at fault, nor were the reference weights. What he did find, however, was that the Earth's gravitational field is not stable but fluctuating, sometimes at quite a rapid rate. The weighing system he had developed was so sensitive that it picked up these variations as changing values in the reference weights. He concluded that somehow the humble capacitor was able to pick up these gravitational variations and convert them into an electrical signal.

From this discovery, Hodowanec went on to develop a gravitational detector that used modern electronic components. He knew that any induced effect on a capacitor would result in a displacement current; hence, the circuit he developed was a simple operational amplifier wired up as a current-to-voltage converter. This circuit was connected to the

sensing capacitor, while its output was fed into a standard voltage amplifier which in turn drove a loudspeaker. The signals received by this simple circuit were described as being similar to whale song, but this evidence is inconclusive. But it does seem that some very strange, yet structured, audio signals were received by this comparatively simple device.

Hodowanec stated that his device received monopole gravity waves, different to the quadrupole waves described in Einstein's general theory of relativity. Also, while the gravity waves theorised by Einstein were limited to the speed of light, these monopole waves described by Hodowanec could reach any point in space in one Planck second ( $10^{-44}$  seconds). He also stated that electronic equipment had been receiving this gravitational radiation for a very long time, but it had been mistaken for  $1/f$  noise (where the intensity is inversely proportional to the frequency over a spectrum of noise). It is similar to what you get when your radio is not tuned to a station, which is that rushing water type of sound. However,  $1/f$  has a deeper sound, perhaps more resembling the crashing of sea waves. Technically, it is a spectrum of random frequencies which have equally random intensities, but in general the lower frequencies are higher in intensity than the higher frequencies. If you were to look at this with reference to white light (which is composed of all light frequencies in the visible spectrum), then you would perceive it as a soft pink light. For this reason,  $1/f$  noise is often referred to as "pink noise".

Hodowanec also hypothesised that the Universe is filled with this radiation and that the detected isotropic microwave background radiation, thought to be the echo from the Big Bang (which does sound like  $1/f$  noise), is actually gravity-wave emissions. He stated that the instruments that were picking up this signal were in fact receiving the gravitational radiation rather than the electromagnetic energy from the beginning of the Universe.

During his investigations with the device, Hodowanec found Auriga and Perseus in the Milky Way to be the source of many natural, yet unusual, audio signals. He stated that the general background noise is modulated by the passing of large astronomical bodies which cast a shadow over these emissions. This means that when such radiation is demodulated, what one would hear would be the movements of planets, stars and galaxies. Much of the high-frequency radiation is generated by astronomical processes such as stars going supernova, star quakes and even the tectonic movements within nearby planets.

However, it was not long before Hodowanec received signals of an unnatural origin while scanning the skies with his gravity-wave detector. One evening, for only eight minutes, Hodowanec received a train of equally spaced impulses that resembled the Morse code for the letter S. After determining the origin of these

signals, he attempted to make contact using more conventional means (a Morse radio transmitter). To his surprise, he received on the gravity-wave detector a reply made up of random Morse code containing the letters E, I, T, M, A, N, R, K and S. During another transmission, Hodowanec transmitted a sequence which he received back as a copy with the letters G and D added. In the end, he was able to hold an almost coherent conversation with the ETI he had contacted. Interestingly, he found that only at certain locations could he establish

contact with the ETI. Also, judging from several years' experience in Morse code, he found that the transmissions were not synthetic; the ETI was using a Morse key, and in fact there was more than one entity operating it!

It would seem, then, that there are many gravitational signals throughout the Universe. Many of them are natural and high in frequency. These signals become modulated by the movement of astronomical bodies such as stars, galaxies and even planets. But among these natural signals may be the transmissions of a host of extraterrestrial intelligences.

It is not clear whether the signals received by Brown and Hodowanec are gravitational in nature. Even Townsend Brown stated that the evidence pointed to this hypothesis, but the subject was still inconclusive in his own mind. There may be a host of energies and radiations that still remain undiscovered.

One that has had little attention is Dr Wilhelm Reich's "orgone energy". This appears to be the same energy that is known as *prana*, *chi* and the *od* or "odyllic force" discovered by Baron Karl von Reichenbach. Interestingly, when Reich had a device designed to detect the orgone, it was based upon the electrical capacitor! This energy is very closely related to living organic matter, and so has often been identified as the "vital force"—the energy that distinguishes between animate and inanimate matter.

The well-known orgone researcher Trevor Constable conducted much research into the weather-altering effects of the orgone, and

... it was not long before  
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hypothesised (backed up with experimental evidence) that many UFOs are actually biological entities. He went on to suggest that the orgone could be manipulated and engineered, as it is based upon fundamental laws. If he is right, then a new branch of technology, based around the life force, could be developed. Such a technology is described as being "biodynamic" (although Constable looked further ahead and coined the term "etheric engineering"), and is the real meeting point between physics and biology: biophysics. Is it then possible to develop a communications system based upon the principles of biodynamics?

## BIODYNAMIC COMMUNICATIONS

In 1962, Silesian-born engineer L. George Lawrence, employed by the LA Space-Science Corporation to develop jam-proof missile components, decided to try using biological material in electronic sensors. His first line of enquiry led him to the work of Alexander Gurwitsch, one of the pioneers of vital force research. Gurwitsch showed that cells appear to affect each other during the process of mitosis, which led him to develop a theory in which cells communicate through what he called "mitogenic rays".

Lawrence also reviewed the work of Cleve Backster, the polygraph specialist who studied the psycho-galvanic reaction of plants. Backster used polygraph-type equipment to monitor the physiological activity in plants and discovered some amazing effects. One of the most unusual is a plant's ability to detect the presence of a plant murderer! Lawrence used Backster's original circuit designs as a springboard for his own research into biological sensors. He discovered that such biological transducers are able to detect changes in a variety of different environmental parameters including magnetism, temperature and humidity.

While Backster used a pen-chart recorder to indicate reactions, Lawrence replaced this with a voltage-controlled audio oscillator whose pitch changed in sympathy with biological changes. Eventually he replaced Backster's galvanic response system with piezo-electrometers, which gave better stability with greater sensitivity. The first biodynamic transducers were simply vegetable samples wired up and held in a temperature-controlled bath.

With further advancements, Lawrence developed a sensor which consisted of two small quartz crystal wafers bonded together with specific organic materials. Whatever transducer was used, they were all sealed within a Faraday cage which in turn was held within a lensless telescope-type assembly complete with sighting apparatus. All investigations were conducted in what Lawrence referred to as "electromagnetic deep fringe" areas which were outside the influence of almost all electromagnetic fields so as to avoid false readings from external sources.

During one test, Lawrence pointed a newly developed biosensor at a tree some distance away, that he had wired up to a remotely controlled battery circuit. When the switch was activated, a current would pass through the tree so as to electrically stimulate it. Meanwhile, the biosensor's output signal was monitored for dramatic changes. Sure enough, when the tree was stimulated, the biosensor's output changed. This indicated some form of mitogenic ray communication between the tree and biosensor. However, while having lunch, he left the biosensor pointing in some random direction. To his amazement, the audio output from the biosensor's circuit started to warble rapidly, indicating some

mitogenic or biodynamic signal being picked up. After an intense investigation, Lawrence concluded that the signals had originated from outer space and were of intelligent origin.

Initially, he thought the signals were from Ursa Major, but on further investigation he found that they probably originated from the galactic equator. He also concluded that the signals were not aimed at Earth, but were an overspill of communication between companion civilisations. As for the signal coding, Lawrence was confident that they would not be in the form of a structured language. Instead, he felt that they would be graphic in nature, so he decoded them using digital spectrograms displayed on a standard 8-bit resolution grey-scale. These graphic signals were received using some of the most advanced biodynamic transducers, consisting of carefully manufactured synthetic biochemical substances.

There has been little success in tracing the elusive George Lawrence, mainly due to the fact that "George Lawrence" was a pseudonym employed by the author who reported this research in several electronics magazines in the mid-1970s. All that is known of this author is that he was employed by several government

agencies that exercised strict security measures. This research into biodynamics was a spin-off of the work he had conducted while within their employment. However, it is worth mentioning that these agencies were mainly involved in NASA projects around the time of SETI.

There are many energies that lie undiscovered, yet already we are trying to find a unified field theory based on the few energies of which we are aware. There have been many discoveries in the past that

could have brought us closer to the truth; however, mainstream science has ignored nearly all of them.

The human race has a great understanding and control over the force of electromagnetism. However, it is naive to think that this is the only method through which to communicate and that all other civilisations out there have developed technologically in this same direction. It must also be remembered that there are other dimensions parallel to our own. These, too, may be contacted, but not necessarily by looking upwards. We must first open our minds, then ask the question, "Is there anybody out there?"

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## About the Author:

Gavin Dingley is an electronics R&D engineer by profession, but since college has questioned the so-called laws of nature, particularly those pertaining to electromagnetism. To this end, he has extensively researched the work of Dr Nikola Tesla. His main goal is to develop technologies based upon these principles.

**To his amazement, the audio output from the biosensor's circuit started to warble rapidly, indicating some mitogenic or biodynamic signal being picked up.**



## INTRODUCTION TO APPLIED AETHER ENERGY SCIENCE

by Dr Robert Adams © 2000

*"There seems no reason why the Adams Motor cannot be developed rapidly for general use."*

— Dr Harold Aspden, PhD, BSc, FIEE, FIMechE, MInstP, CEng, CPhys, Department of Electrical Engineering, University of Southampton, England, UK (c.1994)

With the advent of harnessing *aetheric energy* by means of Adams Technologies, it is important to describe this applied aether energy science, as it is almost virtually unknown in the mainstream of electrical sciences.

To begin at the grassroots, so to speak, it all started during 1969 when I first determined to use permanent magnets to construct an electric motor generator that would defy Lenz's law and, in so doing, invent an electrical machine that would run "at unity" and, so too, in turn, defy certain other orthodox laws.

Throughout my many years of experience and constant studies, I had followed the works of other pioneers in other countries, who had been *theorising* new ideas and hypotheses more than experimenting in a practical sense, and it occurred to me over and over again that these scientists and inventors were trying to equate these new ideas with endless reams of unsuccessful calculations and equations based on the sacrosanct (and ageing) *man-made* electrical and associated laws.

I started to work quietly, according to the laws of the Universe and Nature; and along the way, over the years, I made some rather astonishing discoveries of my own which quite bowled me over at times, and still do.

As time went on, empirical findings made me bold enough to come out of my shell and go public with my discoveries and the results of my experimentation—quietly at first. This was both good and bad for me, and I was eventually forced to anticipate and indeed prepare myself for the onslaught to come.

What I was doing was an affront to every respectable teaching institution that I knew of. Scores of electrical engineers and physicists bombarded me *ad nauseam* with dogma; for instance, that with my devices I would get absolutely nowhere without *closing the loop*.

At lectures, this was one of the greater thorns in the sides of my contemporaries. Very few indeed were those attendees who gave this matter any in-depth thought at all, and those who did brush away the cobwebs as I lectured on, slowly nodded, quietly smiled and shouted no more. Instead, they would listen with greater intensity and keen interest until the end of the lecture, when murmuring grew rapidly to an ever-increasing buzz of heated dissertation and debate which often rang through the lecture chambers long after I had departed.

Such lectures, especially those (most) which were accompanied by at least an hour and more of question-and-answer session with the attendees, were always a great joy for me, and I can say with more than a little satisfaction that they were never boring for the attendees.

So it is for all my readers to understand that, although the walk has been long, thorny and arduous at times, the journey has been one of the utmost intrigue, fulfillment and discovery wherein I have experienced many surprises myself. Red rags have turned to green lights, frustration to reward; in the end, all quite good fun.

### The Equilibrium Calorimeter

I now discuss matters pertaining to calorimeters. Calorimeters are vital instruments for this technology—so much so, that I purport them to be the only *accurate* means of measuring power generated/harnessed within these devices of the Adams Technologies. This realisation came to be because of the great difficulty in having to engage in applying empirical knowledge to working with this technology, as orthodox theories/methods are of no value whatsoever in the *design, construction* or *testing* of these super-machines.

Late 1995 to 1996 heralded the successful and sophisticated Adams Thermo-Motor-Generator, entering the *kilowatt* range at greater power and performance.



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During that period, I also designed and built various types of calorimeters.

One special unit which I can mention but briefly, as it is on the "classified" file, is the Equilibrium Calorimeter. Now, if equal masses of copper and water are heated over a flame for equal periods of time, the temperature of the copper rises 10 times as quickly as the temperature of the water; and to cause the same temperature change of the water, it would have to be heated 10 times as long. This massive variance, in addition to other factors to be accounted for, results in the necessity of tedious calculations which all have their resultant and inevitable error factors.

These complex ramifications of coefficients, specific heat, thermal conductivity, convection, radiation, absorption and insulation losses have created contention that is ongoing to this day.

To put the matter to rest for my own sake, I turned to inventing a water calorimeter that would dispense with *calculations* and need only rely on *measurements*. (Measurements can be relied upon; calculations, in calorimetry involving water, cannot!) This, then, is the Equilibrium Calorimeter mentioned above.

In this type of water calorimeter, a *small quantity* of water and a *short operation time* is of paramount importance. The unit itself is unique in that its load heating element heats both the water and copper vessel simultaneously, and, as the machine being tested operates in the *kilowatt* range, a state of equilibrium in the calorimeter is very rapidly reached after switching on the machine, and remains so to boiling point or any desired temperature. The copper vessel contains only 0.5 of a litre of water, with a boiling-point time of two minutes.

The fact that all componentry and water reaches equilibrium so rapidly, ensures that the resultant accuracy and performance of the unit is such that insulation loss is so low for such a minimal period of time that it is negligible and can therefore be dismissed.

The end result of this calorimeter invention precludes all doubtful calculations and therefore requires but *three measurements only* to be taken: those of *mass, temperature* and *time*, all of which, with the application of modern measuring methods, are *extremely accurate*, resulting in an overall maximisation of machine/device *zero-point*

performance measurement possibly never before attained.

I now cite a discovery I made in 1996, this being that the machine, in addition to showing evidence of running *at unity* but also displaying *massive heat energy* at its load point, delivers a heat power upwards of greater than 600 per cent. This power *does not* register in the machine or in the line to the load! This heat power can only be accurately measured by means of calorimetry, and is known as *wattless (currentless) power*.

To understand this phenomenon, one must be conversant with Tesla aether energy science. Currentless power was described by Tesla in 1889. I quote Gerry Vassilatos from his *Secrets of Cold War Technology* (BSRF, USA, 1996, p. 38):

**It is impossible to comprehend this Tesla technology without considerable knowledge of the aether.**

## **"The Fractionation of Electric Currents:**

Voltage pulses traversed the secondary surface like a gas pulse under increasing constriction. Until reaching the free end of the coil, these gaseous pulses flowed over the copper surface rather than through it. Tesla referred to this specific manifestation as "the skin effect". In this, the discharge greatly resembled the manner of gasses in motion over surfaces."

It is impossible to comprehend this Tesla technology without considerable knowledge of the aether. One must seek out and study the proofs, of which there are now many, that have been established by experimenters worldwide. It is a technology capable of being explained through gas dynamic analogues. The fact that even partial elimination of electrons from aether currents takes place indeed spells out that this is a new kind of electricity which could find no resolution in present electrical

science. This new energy technology is going to change the world we live in on an immense scale.

To understand Tesla aetheric forces technology, one must eliminate the notion that electrons are the working gremlins of electrostatic energies, for in this technology they are no longer the working gremlins.

We are considering here an entirely different kind of electricity, endowed with totally different characteristics. Therefore, we require a new and different approach to the method of measuring the performance of any devices created as a result of the development of this technology, as the disparity between the two is immense.

My Adams DC Impulse Electric Motor can be designed in such a way that the succession of charge and discharge impulses develops energy of such magnitude, that it is possible to have control of the flow of conventional electricity electrons through the complex metallic lattice of the very long length of wire used in the stator system, due to its superluminal velocity, where the gaseous pulse flows over the coil surface. This then provides us with an electric motor that requires very little current at nominal voltage, yet whilst delivering considerable power.

There are certain parameters required to be implemented which do not apply to conventional DC electric motors: those of repulsive-impulsing operating potential, stator winding resistances, winding wire size and quantity, and machine construction materials, etc. The established gaseous electrostatic electricity moves over the surface of the winding's wire at a superluminal velocity. This creates an enormous surge, leaving the slower-moving electrons behind, and hence a consequent reduction in current flow is possible according to machine parameter variables applied.

The machine load Equilibrium Calorimeter is the vital measuring instrument in the line-up, as it *measures* the output power of the machine proper. The other two heat manifestations are by no means small, and are free spinoffs which can be readily harnessed.

The Adams Aetheric Energy Electric Motor-Generator Technologies over the past 10 years have heralded innovations that have culminated in very significant discoveries—including the *use of certain materials not normally used in the construction of orthodox electrical machines*, resulting in the manifestation of massive

power in the form of heat from the thermo-motor-generator designs, at undreamed of ratios of input power to output power.

There are now "proven" *natural laws* pertaining to energy which render the orthodox "assumptions" of the establishment down to the realms of the obsolete and, however troublesome to accept, include those contained in the hypotheses traditionally served at the banquet hall tables seated by Einstein's relativity, quantum mechanics, the laws of thermodynamics, Lenz's law, Ohm's law and others.

The truth of the entire situation is that I, Robert G. Adams, have proved over hundreds of thousands of hours of hard labour at laboratory benches and machine shops, with the aid of intuition and empirical knowledge, that these *aetheric energies* are manifesting at unity/zero point, whereby the bottom line is that there is no longer any reference point from which to base any kind of so-called "efficiency" test.

So the word "efficiency", with regard to aetheric engines, simply cannot possibly apply because the only way by which to calculate the "efficiency" of the omnipresent would be to draw up scales of mathematically astronomical proportions that such scales would ultimately become *eternal and infinite* and totally *impossible* to monitor, police or keep track of—utterly beyond the ability of mankind.

And so the term "efficiency" cannot ever be applied to aetheric energy or, for that matter, to the technologies invented or created by which mankind may have the capability to gate or harness it. So the term "efficiency", here in the case of aetheric energies, becomes a nonentity forever and a day.

I hereby lay claim to the original discovery and, indeed, acknowledgement of this "law of Nature", and hereby designate this discovery "the Adams law". The Adams law also encompasses many other discoveries I have made pertaining to Ohm's law, Lenz's law, etc.

## The Adams Triplex Aetheric Energy Motor-Generator

This device is a super-power, thermo, impulse, salient pole, open magnetic circuit, repulsion, self-starting, reluctance, electric motor-generator.

The Adams Triplex Aetheric Energy Motor-Generator is so named in view of its unorthodox and unusual ability to manifest

considerable aetheric energy from three different areas of the machine.

The stator system, with its ability to reach high temperatures very rapidly, is designed to harness this heat from the cores of the stators via water circulation.

The second source of energy is derived from loading the machine as a generator. The heat in the stator system is present whether the machine is run in a no-load or loaded condition. When loaded, however, the heat in the stator system increases

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rapidly and "continues" to do so during the period of operation.

A further and third source of aetheric heat energy is manifested at the mosfet. This heat is also harnessed by the heating of water. This mosfet is set inside the copper storage vessel (or calorimeter) for measurement purposes.

The total heat from all three sources can reach upwards of eight times the input/heat power.

A unique method of successfully transferring the heat from the stator system is water circulation within the stator cores; and as the stators are water-cooled, it provides the windings with protection from burning out. This is of paramount importance because, as the machine is running

"at unity", the heat manifesting at the stators "continues" to rise with *time*. The water so heated is circulated with the aid of an electronic pump which transports it to a holding tank/calorimeter for measurement purposes.

In addition to the unique structure of the stator system is that of the rotor. The rotor was invented and perfected during 1996. Its materials, in addition to the magnets and the dimensions and geometrical placements of the said materials, are vital to the massive manifestation of heat that results from its structure and that of the stator system and its technological parameters.

This machine is revolutionary, *the first of its kind in the world*, and it provides economical, clean, safe power. In an actual domestic application installation, the machine would of course have a common hot water holding cylinder which would receive all three sources of the aetheric heat energies manifest within the machine componentry.

## Electrical Energy Generation

In considering electrical energy generation and the vital role played by temperature and time factors when calculating machine performance, we should first ask the question, "how is electrical energy generated?"

To begin with, we must dispose of the *myth* that electromagnetic machines generate electrical energy, as is taught in our schools and universities by the establishment. So-called *electric generators* do not generate electric power *per se*. They are mechanical devices which, due to their rotational field, act as a gating mechanism, tapping the *aetheric* energy field within the air gap between the machine stator and rotor, and delivering that energy externally in the form known to us as *electrical energy*. This energy is ever present (omnipresent, as previously explained) but *the machine must be in motion to harness it, not generate it*.

(Note: In the interests of simplicity for the reader, however, I will continue in this paper to use the words "generate", "generated" and "generator" as the words are used in their normal, general context.)

In electric motors we have the interesting situation whereby we apply stored or "generated" electric power to supply motive force to do mechanical work. However, the motor is also reliant on *aetheric energy* from the air gap of the device for rotational power.

From the foregoing, it is clearly evident that if the aether did not exist, as the establishment and Newtonians would have us believe, then there would be *no aetheric force*, and therefore *no manner of electric motor or generator would function*, as there would in turn be *no action at a distance*, *no lines of force*, *no magnetic fields*, and hence *no Universe!*

## Translocating Potential Gradient to the Motor

On translocating potential gradient to the charged mass in a circuit element and sourcing it via impulse to the motor, this will amplify the inherent magnetic unified charged mass and, for a finite time, retard or very nearly block off electron flow, thus precluding current flow. This is termed the *relaxation time* of the mass of the circuit element, i.e., in this case, the motor stators including windings. In addition to impulsing the source, there are at least two possible methods of causing a finite delay time, thereby retarding current flow within the stator element: (1) using doped winding wire (at present, a difficult one); and (2) designing the stator(s) by incorporating sacred geometry, i.e., *pi* and *phi* involving the *golden ratio*.

The collector element will then become a secondary battery being used in a conventional manner to power a load, which does not affect the primary source. This power so provided in the external load is free, and sourced in such a way that the prime mover source is not being brutalised—whereas they are designed to do just that in conventional motors, which themselves, in turn, are brutalised with resultant high temperature and extremely poor performance. Bluntly, their role is that of destroying their own source of potential gradient and eventually destroying themselves.

There is massive trapped energy in many natural materials, especially metals. Latent magnetic energy is ever present in these materials, and this energy I describe within the structures of electric motors is found to play an important role, together with that of the energy harnessed from the small air gap between the rotor and stator sections. This applies to both motors and generators alike.

Power source applied to electric motors expands the ever present covert electromagnetic flux of the metal materials, i.e., the iron core and copper windings. It is not the impressed energy applied to the motor that creates the inductive field, as taught in

universities and colleges alike: the magnetic flux field *already* exists in its natural state within the stator system. The application of energy into the system simply "expands" the natural latent inherent inductive energy residing therein.

This *expanded inductive energy*, in conjunction with the energy harnessed at the air gap between the rotor and stators, provides the driving power of the motor. The important roles played by these two sources of force have *never before* been properly highlighted. They have eluded mainstream academia and scientists alike for *over a century* in regard to their vital importance in machine design, and this explains why electric motors have *never*

**Every fossil-fuelled and nuclear power station in the world could be shut down in the space of three years.**

been improved upon during these past 100-odd years.

The role played by these two forces requires more investigation and understanding in the part they play in magnetism and inductance as applied to electric motors. The design parameters concerning these two forces far outweigh the importance of I<sup>2</sup>R losses.

It is incredible indeed to realise that electrical engineers and scientists in this modern technology age are still taught to use free-trapped electromagnetic energy to destroy the source of the said energy, by placing these "stone age" motors across the national grid systems and/or battery energy sources. In this brutal way, millions of megawatts of energy is wasted daily throughout the world in the manner described above, and there is no excuse for allowing such a monstrous waste to persist any longer. Every fossil-fuelled and nuclear power station in the world could be shut down in the space of three years.

## Defining the New Energy Devices

There is a problem with definitions of "unity", "zero point", "over unity" and

other terms used to describe performance of new energy devices, but that is not the fault of people like ourselves in the New Energy field. It is the fault of false teachings and mind entrenchment concerning the methods adopted for the performance testing of grossly inefficient conventional electric machines.

I do not subscribe to the definitions of "over 100% efficiency" or "beyond unity". There can be no "beyond unity", as the totality of the Universe *is* Unity. This then tells us that conventional electrical machine "efficiency testing procedures" adapted to the testing of new energy devices can only be described as "bizarre" and are of no substance whatsoever.

New mentation must evolve whereby our new energy devices' performances are "measured" in accordance with the *truth*, and not with man-made laws and "presumptions" still in vogue today.

## Input Power Measurement

In relation to measuring the input power to the Adams Motor-Generator—where there is a question of differentiating between the heat produced by the motor section and the heat produced by the generator section, particularly where the motor generator is one integral unit—a controversial situation is posed of how best to calculate the measurement, if the measurement is determined calorimetrically. In reality, it is irrelevant in any case to measure the quantities of heat of *either* sections.

I made the decision some years ago to abandon trying to differentiate between the two measurements—and, in so doing, put an end to the unnecessary, laborious hours spent in complex calculations by measuring total heat power—and simply consider any heat energy not harnessed as an *additional loss* together with other normal losses.

This is entirely acceptable for the very reason that *all* losses are of no consequence whatsoever in this technology, as the machine in question is operating in the dimension commonly known and referred to in scientific circles as "zero point", i.e., energy generation being "infinite", with power incrementally increasing with time, as the calorimetric graph indicates.

The machine is now in a situation whereby it is creating potentially high steam pressure to drive a turbine which, in turn, generates free electric power to drive yet another Adams Motor-Generator by which to generate further heat, *ad infinitum*.

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This kind of evidence, in my knowledge of science, is the *only* method by which the violation of the law of conservation of energy can be explicitly shown beyond all doubt.

At this point, I refer the reader to the following comments from an internationally recognised scientist in applied aetheric energy technologies, one Dr Peter Lindemann of the USA, from his correspondence of 16 October 1999:

"Thank you for the package of your latest writing. In my humble opinion, it is the best material I have seen to date. Your documentation on the violation of Ohm's law is monumental! Congratulations. Also, your eloquent defense of yourself and others in the field is masterful. Spoken as the real leader you are.

"Now that you know, with confidence, that Ohm's law only operates within a narrow window, and that once outside this window it begins to fail as a useful method to *calculate* accurately the behaviour of certain equipment, such as your machines, surely you can now better appreciate what I have stated in the past, that *we do not know what the real equivalences are* between electrical work as watt-hours, heat work as BTUs, and mechanical work as foot-pounds. If we really do not know what the equivalences are, then we cannot *calculate* conversions between these units of measure! I really do not know how to make this point more emphatically!"

And, in further correspondence, Dr Lindemann comments:

"There is also another way of looking at the 'efficiency' of your machine. Your machine *recovers* all of the electrical input.

Then, it also produces mechanical energy and heat energy. Since no mechanical work or heat is put *into* the machine, these outputs represent an *infinite percentage gain* over the zero amounts put in—more than enough to irrefutably crush conventional explanations! Absolutely spectacular! You are liberating real *work* from the aether!

"Since we really don't know the 'equivalent' values of electrical mechanical heat in real units, it seems best to measure inputs and outputs for each energy manifestation separately. In this way, your machine

**I do not subscribe to the definitions of "over 100% efficiency" or "beyond unity". There can be no "beyond unity", as the totality of the Universe *is* Unity.**

shines like a beacon toward a new horizon. It also begs the question, 'Since you are getting all of the electricity you put in back out, where does the heat and mechanical energy come from?' This way of looking at it shatters any hope of finding an explanation within the 'conversion' or 'efficiency' ideas of the 'first law of thermodynamics'.

"The real efficiency of your machine is *unknown* because it proves that nothing is being converted into anything else. Energy effects are simply *appearing from* 'the aether', 'nowhere', 'counter-space', 'the Zero Point'...you name it. The truth is, we still don't know how best to do it.

"What we can measure is:

- 1) Voltage (potential difference);
- 2) Temperature (thermal difference);
- 3) Mass (weight or atomic volume);
- 4) Distance (length);
- 5) Time (duration).

"The cross-product between temperature and mass gives us *work* units of calories or BTUs. The cross-product of distance and mass gives us 'work' units of foot-pounds or dyne-centimeters, which can also be expressed as joules (1 joule = 0.7375 foot-pounds = 107 dyne-centimeters). Watts are defined as a 'joules per second' or as 'volts times amperes'. This makes a joule also equal to a 'watt-second' by definition.

But since 'current' and 'resistance' are generated by calculation according to Ohm's law, the watt-second cannot be measured as a unit of electrical work, it can only be measured as a unit of *mechanical* work. Without Ohm's law, there is no way to determine 'work' in electrical machinery unless you resort to calorimetry. Then, and only then, can you measure things again, and get away from calculating. This is what you are already doing, which is exactly correct!"

— Peter A. Lindemann,

Borderland Sciences Research Foundation  
(PO Box 220, Bayside CA 95524, USA)

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## Editor's Note

NEXUS first published an article on the Robert Adams Motor-Generator in the Dec 1992–Jan 1993 issue (2/11) and followed up with items in 2/15, 2/26, 2/27, 3/03 and 3/04. Copies of *The Adams Pulsed Electric Motor Generator Manual* and the *Addendum* update are still available from NEXUS offices.

Dr Adams has written a specially updated 2000 edition of his compilation, *Applied Modern 20th Century Aether Science*. It covers subjects including nature and the environment, pollution, politics, the scientific establishment as well as aether energy technologies and devices, modern calorimetric aether power measurement techniques, Adams thermo-motor-generators, aetheric energy from mosfets and magnets, and more. It also includes papers written by eminent scientific pioneers in ferromagnetics and aether technology, e.g., UK engineer Dr Harold Aspden. The book is available from Aethmogen Technologies for NZ\$42.00 + p&h (NZ\$3.00 in NZ; NZ\$6.50 elsewhere).

## APOLOGY

In Science News in our last issue, 7/06, we published an article, "A New Theory of Gravity: A Brief Introduction", by David W. Allan of [www.allanstime.com](http://www.allanstime.com). While it is our policy to obtain the necessary permissions to reproduce copyrighted articles such as this one, and while we thought we had done so in this case, unfortunately we seem to have inadvertently omitted this step in this instance. We offer our apology to Allan's TIME for this error and hope it does not impair their process of obtaining peer review for a publication which they are now preparing.





# THE EXCAVATIONS OF CARLOS RIBEIRO

*In the 1860s,  
Portuguese  
geologist Carlos  
Ribeiro found  
worked flints in  
Miocene strata  
which suggest a  
much earlier date  
for the emergence  
of modern humans  
than that accepted  
by mainstream  
scientists today.*

by Michael A. Cremo © 2000

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## A CONTROVERSIAL EPISODE IN 19TH-CENTURY ARCHAEOLOGY

**M**y theoretical approach to archaeology is informed by the *Puranas*, the historical writings of ancient India, which posit a human presence extending much further back in time than most archaeologists today are prepared to accept (Cremona, 1999). Therefore I was intrigued when I learned of some anomalously old stone tools discovered by Carlos Ribeiro, a Portuguese geologist of the 19th century.

While I was going through the writings of the American geologist J. D. Whitney (1880) who reported evidence for Tertiary human beings in California,<sup>1</sup> I encountered a sentence or two about Ribeiro having found flint implements in Miocene formations near Lisbon. The Tertiary comprises a group of geological periods—the Pliocene, Miocene, Oligocene, Eocene and Palaeocene—extending from 2 million to 65 million years ago. The Miocene extends from 5 million to 25 million years ago. According to current accounts, the oldest anatomically modern humans came into existence about 100,000 to 150,000 years ago, and the oldest hominids, human ancestors, go back about 4 million years.

Later I saw Ribeiro's name again, this time in the 1957 edition of *Fossil Men* by Boule and Vallois, who rather curtly dismissed his work. I was led, however, by Boule and Vallois to the 1883 edition of *Le Préhistorique* by Gabriel de Mortillet, who gave a favourable report of Ribeiro's discoveries. From de Mortillet's bibliographic references, I went to Ribeiro's original reports. Using all of this material, I wrote about Ribeiro's discoveries and their reception in *Forbidden Archeology* (Cremona and Thompson, 1993).

When I learned last year that the European Association of Archaeologists annual meeting for the year 2000 was going to be held in Lisbon, I proposed a paper on Ribeiro's work for the section on the history of archaeology. Previously I had relied only on published records. But for my new research, I visited the Museu Geológico in Lisbon, where I studied a collection of Ribeiro's artifacts. The artifacts were stored out of sight, below the display cases featuring more conventionally acceptable artifacts from the Portuguese Stone Ages.<sup>2</sup> After spending a week examining and photographing the artifacts, I went to the library of the Institute of Geology and Mines at Alfragide to study Ribeiro's personal papers,<sup>3</sup> and later I went to visit some of the sites where Ribeiro collected his specimens.<sup>4</sup>

At the archaeology conference in Lisbon, I presented Ribeiro's discoveries as a case study, showing how contemporary archaeology treats facts that no longer conform to accepted views. Keep in mind that for most current students of archaeology, Ribeiro and his discoveries simply do not exist. You have to go back to textbooks printed over 40 years ago to find even a mention of him. Did Ribeiro's work really deserve to be so thoroughly forgotten? I think not.

## A SUMMARISED HISTORY OF RIBEIRO'S DISCOVERIES

In 1857, Ribeiro was named to head the Geological Commission of Portugal, and he would also be elected to the Portuguese Academy of Sciences. In 1860, Ribeiro learned that flints bearing signs of human work had been found in Tertiary beds between Carregado and Alemquer, two small towns in the basin of the Tagus River, about 35 to 40 kilometres northeast of Lisbon. Ribeiro began his own investigations, and in many localities found "flakes of worked flint and quartzite in the interior of the beds".

Ribeiro found himself in a dilemma. The geology of the region indicated the limestone beds were of Tertiary age, but Ribeiro (1873a:97) felt he must submit to the then prevalent idea that humans were not older than the Quaternary. (The Quaternary is the most recent geological age, comprising the Pleistocene and Holocene. It extends from two million

years ago to the present.) Ribeiro therefore assigned Quaternary ages to the implement-bearing strata (Ribeiro, 1866; Ribeiro and Delgado, 1867).

Upon seeing the maps and accompanying reports, geologists in other countries were perplexed. The French geologist E. de Verneuil wrote to Ribeiro on May 27, 1867, asking him to send an explanatory note; this was read at the June 17 meeting of the Geological Society of France and later published in the bulletin of the Society (Ribeiro, 1867). On July 16, de Verneuil wrote once more to Ribeiro, again objecting to his placing the Portuguese formations in the Quaternary and insisting they must be Tertiary.

During that same year, Ribeiro learned that the Abbé Louis Bourgeois, a reputable investigator, had reported finding stone implements in Tertiary beds in France, and that some authorities supported him (de Mortillet, 1883:85). Under the twin influences of de Verneuil's criticism and the discoveries of Bourgeois, Ribeiro began reporting that implements of human manufacture had been found in Miocene formations in Portugal (Ribeiro, 1871, 1873a:98).

From the standpoint of modern geology, Ribeiro's assessment of the age of the implement-bearing formations in the Tagus River valley near Lisbon is correct. The official geological maps of Portugal show the formations at Ribeiro's key sites to be Early to Middle Miocene (Zbyszewski and Ferreira, 1966:9–11).

In 1871, Ribeiro exhibited to the members of the Portuguese Academy of Science at Lisbon a collection of flint and quartzite implements, including those gathered from the Tertiary formations of the Tagus valley, and published a study on them (Ribeiro, 1871). The implements described in this study show not only striking platforms, bulbs of percussion and worked edges, but also signs of use.

In 1872, at the International Congress of Prehistoric Anthropology and Archaeology meeting in Brussels, Ribeiro gave another report on his discoveries and displayed more specimens, mostly pointed flakes. A. W. Franks, Conservator of National Antiquities and Ethnography at the British Museum, stated that some of the specimens were the product of intentional work.

Ribeiro's Miocene flints made an impressive showing, but remained controversial. At the Paris Exposition of 1878, Ribeiro displayed specimens of Tertiary flint tools in the gallery of anthropological science. De Mortillet visited Ribeiro's exhibit and, in the course of examining the specimens carefully, decided that they had indubitable signs of human work.

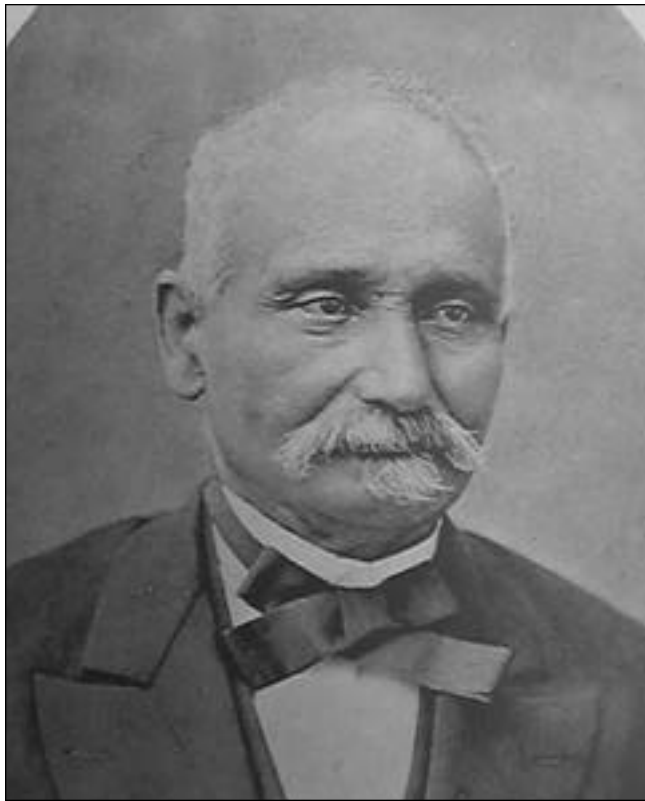
De Mortillet, along with his friend and colleague Emile Cartailhac, enthusiastically brought other archaeologists to see Ribeiro's specimens, and they were all of the same opinion: the flints were definitely made by humans. Cartailhac then photographed the specimens, and de Mortillet later presented pictures

in his *Musée Préhistorique* (G. and A. de Mortillet, 1881).

De Mortillet (1883:99) wrote: "The intentional work is very well established, not only by the general shape, which can be deceptive, but much more conclusively by the presence of clearly evident striking platforms and strongly developed bulbs of percussion."

Leland W. Patterson (1983), an expert in distinguishing artifacts from "naturefacts", believes that the bulb of percussion is the most important sign of intentional work on a flint flake. In addition to the striking platforms and bulbs of percussion, some of Ribeiro's specimens had several long vertical flakes removed in parallel, something not likely to occur in the course of random battering by the forces of nature.

De Mortillet (1883:99–100) further observed: "Many of the specimens, on the same side as the bulb of percussion, have hollows with traces and fragments of sandstone adhering to them, a fact which establishes their original position in the strata." In other words, they had not slipped into the Miocene beds in more recent times.



Carlos Ribeiro (1813–1882) was appointed head of the Geological Commission of Portugal in 1857.

### RIBEIRO IS VINDICATED

At the 1880 meeting of the International Congress of Prehistoric Anthropology and Archaeology, held in Lisbon, Portugal, Ribeiro served as general secretary.<sup>5</sup> Although very busy with all of the details of organising the event, and somewhat ill, he delivered a report on his artifacts and displayed more specimens that were "extracted from Miocene beds" (Ribeiro, 1884:86).

In his report ("L'homme tertiaire en Portugal"), Ribeiro (1884:88) stated:

"The conditions in which the worked flints were found in the beds are as follows:

(1) They were found as integral parts of the beds themselves.

(2) They had sharp, well-preserved edges, showing that they had not been subject to transport for any great distance.

(3) They had a patina similar in colour to the rocks in the strata of which they formed a part."

The second point is especially important. Some geologists claimed that the flint implements had been introduced into Miocene beds by the floods and torrents that periodically washed over this terrain. According to this view, Quaternary flint implements may have entered into the interior of the Miocene beds through fissures and been cemented there, acquiring over a long period of time the coloration of the beds (de Quatrefages, 1884:95). But if the flints had been subjected to such transport, then the sharp edges would most probably have been damaged, and this was not the case.

The Congress assigned a special commission of scientists the task of directly inspecting the implements and the sites from which they had been gathered. On September 22, 1880, at six in the morning, the commission members boarded a special train and

proceeded north from Lisbon, getting off at Carregado. They proceeded further north to Otta, and two kilometres northeast from Otta arrived at the southern slopes of the hill called Monte Redondo. At that point, the scientists dispersed into various ravines in search of flints.<sup>6</sup>

Paul Choffat (1884a:63), secretary of the commission, later reported to the Congress: "Of the many flint flakes and apparent cores taken from the midst of the strata under the eyes of the commission members, one was judged as leaving no doubt about the intentional character of the work." This was the specimen found *in situ* by Bellucci. Choffat then noted that Bellucci had found on the surface other flints with incontestable signs of work. They appeared to be Miocene implements that had been removed from the Miocene conglomerates by atmospheric agencies.

De Mortillet (1883:102) gave an informative account of the excursion to Otta and Bellucci's remarkable discovery:

"The members of the Congress arrived at Otta, in the middle of a great freshwater formation. It was the bottom of an ancient lake, with sand and clay in the centre and sand and rocks on the edges. It is on the shores that intelligent beings would have left their tools, and it is on the shores of the lake that once bathed Monte Redondo that the search was made. It was crowned with success.

"The able investigator of Umbria, Mr Bellucci, discovered *in situ* a flint bearing incontestable signs of intentional work. Before detaching it, he showed it to a number of his colleagues. The flint was strongly encased in the rock. He had to use a hammer to extract it. It is definitely of the same age as the deposit. Instead of lying flat on a surface onto which it could have been secondarily recemented at a much later date, it was found firmly in place on the underside of a ledge extending over a region removed by erosion. It is impossible to desire a more complete demonstration attesting to a flint's position in its strata."

Study of the fauna and flora in the region around the Monte Redondo site showed that the formations present there can be assigned to the Tortonian stage of the Late Miocene period (de Mortillet, 1883:102). Some modern authorities consider the Otta conglomerates to be from the Burdigalian stage of the Early Miocene (Antunes et al., 1980:139). After the excursion, the commission members discussed Ribeiro's artifacts and came to a conclusion that was generally favourable to the authenticity of the discoveries (Choffat, 1884b:92–93).

Altogether, there seems little reason why Ribeiro's discoveries should not be receiving some serious attention, even today. Here we have a professional geologist, the head of Portugal's Geological Commission, making discoveries of flint implements in Miocene strata. The implements resembled accepted types, and they displayed characteristics that modern experts in lithic technology accept as signs of human manufacture. To resolve controversial

questions, a congress of Europe's leading archaeologists and anthropologists deputed a committee to conduct a first-hand investigation of one of the sites of Ribeiro's discoveries. There, a scientist discovered *in situ* an implement in a Miocene bed, as witnessed by several other members of the committee.

#### RIBEIRO'S FINDINGS ENTER SCIENTIFIC OBLIVION

Carlos Ribeiro died in 1882. In 1889, his colleague Joaquim Fillipe Nery Delgado conducted some new explorations at Monte Redondo. Delgado recovered some artifacts, which he displayed at the 10th International Congress of Prehistoric Anthropology and Archaeology.

No artifacts bearing signs of human work were found in excavations he conducted. Delgado (1889:530) therefore declared he had not been able to duplicate Ribeiro's discoveries of worked flints in solid rock. But Delgado did see signs of human work on the flints found loose on the ground (1889:530). He said that many of these "are incontestably Tertiary and have been naturally separated from the underlying beds solely by the action of atmospheric agencies" (1889:529).

In the discussion that followed Delgado's talk, de Mortillet said he did not think Delgado's failure to find worked flints in his four excavations was all that significant. He pointed out that even in places very rich in artifacts, such as Chelles and St Acheul in France, one could go through many cubic metres of sediment without finding any flints showing signs of work (Delgado, 1889:532).

In 1905, in a memorial volume dedicated to Ribeiro, Delgado further distanced himself from the conclusions of his departed colleague (1905:33–34). Influenced by the discovery of *Pithecanthropus erectus* in Java in the 1890s, he cast doubt on the discoveries of Ribeiro. *Pithecanthropus*, an ape man, had been found without any stone

tools in a formation that scientists considered to be from the very latest part of the Tertiary. Delgado implied that this ruled out the existence of humans like us in the Tertiary, anywhere in the world. He also implied that *Pithecanthropus* made it unlikely that similar precursors to modern humans would be found in the European Tertiary. South-East Asia, apparently, would be the place to look.

In 1942, Henri Breuil and G. Zbyszewski of the Geological Service of Portugal restudied the artifacts collected by Ribeiro. They suggested that some of them did not actually display any signs of intentional human work. And, not accepting the Tertiary age of the rest, they reclassified them as corresponding to accepted Pleistocene and Holocene industries, such as the Clactonian, Tayencian, Levalloisian, Mousterian, Upper Palaeolithic, Mesolithic and Neo-Eneolithic (Zbyszewski and Ferreira, 1966:85–86; Breuil and Zbyszewski, 1942).

Here is one example of such reclassification. Ribeiro (1871:14) described an implement of light-brown flint. It was one of several extracted from the Lower Miocene beds forming the hill called Murganheira. The implement from the Miocene beds at Murganheira has worked edges, two of them joining to form a

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point. The point shows signs of use. On the tool itself is written "15.IV.1869 1.5 km N da Bemposta", indicating the artifact was found on April 15, 1869, 1.5 kilometres north of Bemposta, a locality just south of the Murganheira hill. On the new label prepared by the Geological Service of Portugal during the period of reclassification, the artifact is identified as an Upper Palaeolithic flint implement found by Ribeiro at Murganheira, near Alemquer. Apparently there was no disputing the artifactual nature of the object, but its age was assigned on the basis of its form rather than its geological provenance. The Upper Palaeolithic refers to a time in the later Pleistocene when humans of modern type were making stone tools of relatively advanced type.

Some time after this reclassification of Ribeiro's collection, the artifacts were removed from display at the Museo Geológico in Lisbon. Ribeiro and his artifacts entered into an oblivion from which they have yet to emerge.

### A CONFLICT OF FACT AND THEORY

The history Carlos Ribeiro's discoveries demonstrates the complex interpretative interplay between geology and archaeology and evolutionary theories. In the 19th century, even though most European archaeologists were working within an evolutionary framework, the time dimension of the evolutionary process had not been settled, mainly because of the lack of skeletal evidence in appropriate geological contexts. The looseness of the evolutionary framework therefore allowed archaeologists to contemplate the existence of Tertiary humans.

That changed in the very last decade of the 19th century. With the discovery of *Pithecanthropus erectus*, Darwinists began to solidify an evolutionary progression that led from *Pithecanthropus*, at the Plio-Pleistocene boundary, to anatomically modern humans in the Late Pleistocene. This left no room for Tertiary humans anywhere in the world, and put the spotlight on South-East Asia as the place to look for Tertiary precursors to *Pithecanthropus*. Ribeiro's discoveries lost their relevance and gradually disappeared from the discourse on human origins.<sup>7</sup>

A century later, things have changed somewhat. Africa is now generally recognised as the place where hominids first arose. For some time, the earliest tools were thought to date back only to the Early Pleistocene. But in recent years, archaeologists are once more pushing the onset of stone toolmaking well into the Tertiary. Oldowan tools have been found in the Pliocene at Gona, Ethiopia (Semaw et al., 1997). The tools, found in large numbers and described as surprisingly sophisticated, are about 2.5–2.6 million years old. Therefore, we should expect to find stone tools going back even further into the Tertiary.

Conventional candidates for the Tertiary toolmakers include the earliest *Homo* or one of the australopithecines (Steele, 1999:25). But there are other possibilities. Footprints described as anatomically modern occur in Pliocene volcanic ash, 3.7 million years old, at Laetoli, Tanzania (M. Leakey, 1979).<sup>8</sup> There is even evidence putting toolmakers close to the Iberian Peninsula, in Morocco, in the Late Tertiary (Onoradini et al., 1990). At the

Ben Souda quarry near Fez, stone tools were found in place in the Saissian formation which had long been considered Pliocene. Noting the similarity of the Ben Souda tools to the Acheulean tools from a Middle Pleistocene formation at Cuvette de Sidi Abderrahman in the area of Casablanca, Onoradini et al. (1990:330) decided to characterise the part of the Saissian formation containing the tools at Ben Souda as also being Middle Pleistocene (repeating the early mistake of Ribeiro!). Another possibility that deserves to be considered is that there are tools of Acheulean type in the Tertiary of Morocco.

It may be noted that anatomically modern human skeletal remains have been found in the Tertiary (Pliocene) of Italy at Castenedolo (Ragazzoni, 1880; Sergi, 1884; Cremona and Thompson, 1993:422–432) and at Savona (de Mortillet, 1883:70; Issel, 1868; Cremona and Thompson, 1993:433–435). There may therefore be some reason, once more, to consider the possibility of Tertiary industries in Portugal.

Such a possibility is not much in favour today, as can be seen in a recent critical survey of evidence for the earliest human occupation of Europe (Roebroeks and Van Kolfschoten, 1995). The basic thrust of the book, which is a collection of papers presented at a conference on the earliest occupation of Europe (held at Tautavel, France, in 1993), is to endorse a short chronology, with solid evidence for first occupation occurring in the Middle Pleistocene at around 500,000 years. Other discoveries favouring a long chronology, perhaps extending into the earliest Pleistocene (1.8 to 2 million years) are mentioned, although the consensus among the authors of the Tautavel papers is that such evidence is highly questionable. The sites and the artifacts are nevertheless mentioned, and are not entirely dismissed. The editors and authors of individual chapters simply say that, in many cases, better confirmation of the age of the site and the intentional manufacture of the artifacts is required.

Given this liberal approach, Ribeiro's artifacts should have been mentioned in the chapter on the Iberian Peninsula (Raposo and Santonja, 1995). In that chapter, the authors give the impression that the oldest reported stone tool industries in Portugal are Early Pleistocene pebble industries, documented by Breuil and Zbyszewski (1942–1945). Raposo and Santonja (1995:13) called into question the dating of the pebble tool sites, concluding that they "do not document beyond doubt any Early Pleistocene human occupation". But the main point is this: although the industries reported by Breuil and Zbyszewski were not accepted, they were at least acknowledged. The same is true of other controversial sites indicating a possible Early Pleistocene occupation elsewhere in the Iberian Peninsula. Raposo and Santonja did not accept them, but they acknowledged their existence, thus offering current archaeologists the option of conducting further research to establish more firmly either the dates of the sites or the artifactual nature of the stone objects found there. Ribeiro's discoveries deserve similar treatment.

One possible objection is that although there is some reason to believe in a possible Early Pleistocene occupation or even a very

**Some time after this reclassification of Ribeiro's collection, the artifacts were removed from display at the Museo Geológico in Lisbon.**

**Ribeiro and his artifacts entered into an oblivion from which they have yet to emerge.**

late Pliocene occupation of Europe, there is no reason to support a Miocene habitation. But there is a body of evidence that can provide a context in which the Miocene discoveries of Ribeiro might make some sense.

Miocene flint tools are reported from Puy de Boudieu, near Aurillac, in the department of Cantal in the Massif Central region of France (Verworn, 1905). The flint implements were found in layers of fluvial sands, stones and eroded chalk, along with fossils of a typical Miocene fauna, including *Dinotherium giganteum*, *Mastodon longirostris*, *Rhinoceros schleiermacheri* and *Hipparion gracile*. The implement-bearing layers were covered with basalt flows (Verworn, 1905:17).

Verworn was very cautious in identifying the objects he found as objects manufactured by humans. Summarising his methodology, Verworn (1905:29) said:

"Suppose I find in an interglacial stone bed a flint that bears a clear bulb of percussion, but no other symptoms of intentional work. In that case, I would be doubtful as to whether or not I had before me an object of human manufacture. But suppose I find there a flint which on one side shows all the typical signs of percussion, and which on the other side shows the negative impressions of two, three, four or more flakes removed by blows in the same direction. Furthermore, let us suppose one edge of the piece shows numerous successive small parallel flakes removed, all running in the same direction, and all, without exception, located on the same side of the edge. Let us suppose that all the other edges are sharp, without a trace of impact or rolling. Then I can say with complete certainty: it is an implement of human manufacture."

Verworn found about 200 specimens satisfying these criteria, and some of these also showed use-marks on the working edges.

Similar discoveries come from various places around the world. They include stone tools from the Miocene of Burma (Noetling, 1894), stone tools and artistically carved animal bone from the Miocene of Turkey (Calvert, 1874), incised and carved animal bones from the Miocene of Europe (Garrigou and Filhol, 1868; von Ducker, 1873), stone tools from the Miocene of Europe (Bourgeois, 1873), stone tools and human skeletal remains from the Miocene of California (Whitney, 1880), and a human skeleton from the Miocene of France (de Mortillet, 1883:72). For an extensive review of such evidence from all periods of the Tertiary, from all parts of the world, see Cremona and Thompson (1993).

Much of this evidence, like Ribeiro's evidence, disappeared from active consideration by archaeologists because of their commitment to a human evolutionary progression anchored on *Pithecanthropus erectus* (Cremona, forthcoming).

For example, the influential anthropologist William H. Holmes (1899:424), of the Smithsonian Institution, rejected the California gold mine discoveries reported by J. D. Whitney by saying: "Perhaps if Professor Whitney had fully appreciated the story of human evolution as it is understood today, he would have hesitated to announce



This flint implement was found by Carlos Ribeiro in Miocene formations at Espinhaço de Cão, Portugal.

the conclusions formulated, notwithstanding the imposing array of testimony with which he was confronted."

Holmes (1899:470) specifically appealed the Java Man discovery, suggesting that Whitney's evidence should be rejected



Author Michael A. Cremona examines a formation at Monte Redondo, Portugal, the site of some of Carlos Ribeiro's discoveries.

because "it implies a human race older by at least one half than *Pithecanthropus erectus* of Dubois, which may be regarded as an incipient form of human only".

Not all of the evidence for Tertiary *Homo* comes from the 19th century. K. N. Prasad (1982:101), of the Geological Survey of India, described "a crude unifacial hand-axe pebble tool recovered from the Late Miocene–Pliocene (9–10 m.y. BP) at Haritalyangar, Himachal Pradesh, India". He added (1982:102): "The implement was recovered *in situ*, during remeasuring of the geological succession to assess the thickness of the beds. Care was taken to confirm the exact provenance of the material, in order to rule out the possibility of its derivation from younger horizons." Describing the tool itself, Prasad said (1982:102): "The quartz artefact, heart-shaped (90 x 70 mm), was obviously fabricated from a rolled pebble, the dorsal side of which shows rough flaking... On the ventral side, much of the marginal cortex is present at the distal end. Crude flaking has been attempted for fashioning a cutting edge. Marginal flaking at the lateral edge on the ventral side is visible." Prasad concluded (1982:103): "It is not impossible that fashioning tools commenced even as early as the later Miocene and evolved in a time-stratigraphic period embracing the Astian–Villafranchian."

## RESURRECTING RIBEIRO

The discoveries of Ribeiro, and other evidences for Tertiary man uncovered by European archaeologists and geologists, are today attributed (if they are discussed at all) to the inevitable mistakes of untutored members of a young discipline.

Another possible explanation is that some of the discoveries are genuine, and were filtered out of the normal discourse of a community of archaeologists that had adopted, perhaps prematurely, an evolutionary paradigm that placed the origins of stone tool-making in the Pleistocene.

But as the time-line of human toolmaking begins once more to reach back into the Tertiary, perhaps we should withhold final judgement on Ribeiro's discoveries. A piece of the archaeological puzzle that does not fit the consensus picture at a particular moment may find a place as the nature of the whole picture changes.

As an historian of archaeology, I believe that the discoveries of Ribeiro remain worthy of being considered in discussions of the earliest human occupation of Europe. I am pleased that the Museu Geológico in Lisbon is once more considering exhibiting the artifacts.<sup>19</sup> I also encourage new investigations at Monte Redondo and other sites identified by Ribeiro.

### About the Author:

Michael A. Cremo is a Research Associate in the History and Philosophy of Science with the Bhaktivedanta Institute, the science studies branch of the International Society for Krishna Consciousness. His work as an historian of archaeology is informed and inspired by his studies of the ancient Sanskrit writings of India. Among these writings are the *Puranas*, or histories, which speak of a human presence going back many millions of years, contradicting the current evolutionary theories of human origins.

Michael Cremo's most recent publication, "Puranic Time and the Archaeological Record", was originally presented as a paper at the World Archaeological Congress 3, New Delhi, 1994, and is included in the WAC3 Proceedings volume, *Time and Archaeology*, edited by Tim Murray (published by Routledge, 1999). Another paper, "The Later Discoveries of Boucher de Perthes at Moulin Quignon and their Bearing on the Moulin Quignon Jaw Controversy", has been selected for publication in the Proceedings of the XXth International Congress of History of Science, held in Liège, Belgium, July 19–26, 1997. His most recent book is *Forbidden Archeology's Impact* (1998). It documents the varied responses to his controversial book *Forbidden Archeology* (1993, co-authored with R. L. Thompson).

### Endnotes

1. Whitney was a prominent geologist, and his reports on the discoveries were published by the Harvard University Museum of Comparative Zoology. The discoveries included anatomically modern human skeletal remains and stone artifacts, such as mortars and pestles and obsidian spear-points. They were found in gold mining tunnels that

reached Eocene river channels, sealed under hundreds of feet of Miocene and Pliocene basalt flows in the Sierra Nevada mountains, at places such as Table Mountain in Tuolumne County, California. See Cremo and Thompson (1993:370–393, 439–452) for a review and discussion.

2. The Museu Geológico is located on the second floor of the 17th-century building in the historic centre of Lisbon that also houses the Academia Real das Ciências de Lisboa. I was able to match artifacts in the museum collection to 21 of the 128 drawings of artifacts shown in Ribeiro's principal publication on them (Ribeiro, 1871). Artifacts were matched to figures 13, 15, 16, 26, 27, 29, 36, 36b, 43, 45, 46, 55, 62, 63, 64, 73, 74, 77, 80, 82, 94. Assuming that all the artifacts figured in Ribeiro's 1871 publication were originally in the collection, it appears that most are now misplaced or otherwise missing.

3. The Instituto Geológico e Mineiro is located in Alfragide, in the newer western suburbs of Lisbon. The library of the Museu Geológico was transferred there from central Lisbon a few years ago.

4. The main guide to the localities I visited was Ribeiro's 1866 publication. The localities that I found, with considerable help from Portuguese friends who served as drivers and translators, were: (1) A site at the base of an escarpment that runs along the north side of the road that goes from Carregado to Cadafães (Ribeiro, 1866:28). The site is about half the distance between Carregado and Cadafães (now spelled Cadafais), and can be reached by a small dirt road going through some vineyards. (2) Quinta de Cesar in Carregado (Ribeiro, 1866:32). (3) The hill called Murganheira, east of Alemquer (Ribeiro, 1866:34). (4) Encosta da Gorda, near the eastern side of the Murganheira hill (Ribeiro, 1866:34). (5) The site on the right bank of the River Otta, where it passes the

village of Otta (Ribeiro, 1866:42). (6) Monte Redondo, about two kilometres northeast of Otta (Ribeiro, 1866:45).

5. The Congress was held in the ornate main hall of the library in the building housing the Academia Real das Ciências, located on the floor below the Museu Geológico. The hall, still there today, is worth a visit.

6. In July 2000, I retraced the commission's route. There is a road leading east from Otta to Aveiras de Cima. Just as this road leaves Otta, one turns onto a small dirt road leading north and, following it, one eventually comes to Monte Redondo. Monte Redondo and the surrounding area remain in a natural condition, undisturbed by any construction. Although I suspect the landscape has changed somewhat, ravines on the southern slopes of Monte Redondo, like those described in the report of the conference expedition, are still visible. Their profiles resemble the one figured by de Mortillet (1883:101).

7. In the *Pithecanthropus erectus* discovery, Dubois associated a femur with a skullcap. Considering the historical impact of *Pithecanthropus* on consideration of evidence for Tertiary humans, it is noteworthy that modern researchers no longer consider the association genuine. When Day and Molleson (1973) carefully re-examined the femur, they found it not different from anatomically modern human femurs and distinct from all other *erectus* femurs.

8. Leakey herself (1979:453) said the prints were exactly like anatomically modern human footprints—a judgement shared by some physical anthropologists (Tuttle, 1981:91, 1987:517). Tim White said, "Make no mistake about it. They are like modern human footprints" (Johanson and Edey, 1981:250).

### References

Turn to pages 83–84.









## FINAL WORDS FROM SCIENTIST DR MICHAEL WOLF

An interview conducted  
by Paola Harris © May 2000

**I**talian journalist and UFO researcher Paola Harris has interviewed Dr Michael Wolf several times, and below is the transcript of her last interview with him, conducted on 8 March. Tragically, after a long illness, Michael Wolf, MD, PhD, died on 18 September.

Dr Wolf established a non-profit fund, The Daniel Wolf Memorial Foundation for Children, Inc., in memory of his son, and the organisation is continuing its charitable work following Dr Wolf's passing.

Readers who haven't read about the life and work of this extraordinary US military/intelligence scientist are referred to *Twilight Zone* in NEXUS 4/02 and Dr Richard Boylan's articles in 5/03 and 6/01. Dr Wolf's book, *The Catchers of Heaven*, was reviewed in NEXUS 4/06. — Editor

**Paola Harris (PH):** There is a growing consensus that the public is being gradually conditioned for eventual disclosure on UFOs and extraterrestrials. Do you think this is an accurate perception? Is the public ready for disclosure?

**Dr Michael Wolf (MW):** This will be true because the group that I am still advising is using The Learning Channel and the

Discovery Channel to get people acclimated to the idea that we are not alone. The Learning Channel and the Discovery Channel do not produce fiction. This is an accurate perception. It is all factual.

**PH:** Is the public ready for it, in your opinion?

**MW:** Some are; some are not. The people who believe that they are the centre of the Universe are never going to change their minds till one lands in their backyard, then they'll say that it might be a Disney thing. The same people who don't believe in UFOs don't believe that man ever went to the Moon.

**PH:** Are the lawsuits by Peter Gersten of CAUS [Campaign Against UFO Secrecy] having an impact in the intelligence community?

**MW:** No. They are not considered an important problem.

**PH:** There have been increasing numbers of sightings of extremely large triangular craft, including over Belgium and Phoenix, Arizona, and there have been recent reports from Illinois police. What can you tell us about the origins of this triangular craft? What is its agenda? Who is flying it?

**MW:** Well, the very large ones are not being flown by humans. Maybe there are some triangular experimental craft, but they are not completely silent and we are miles...not miles away, but *years* away

from recreating antigravity vehicles, to my knowledge. We are *years* away from duplicating UFOs, as far as I know. Some triangular vehicles...some of them are said to be, like, three football fields' length and width and there is nothing to keep them up there. They are defying gravity.

**PH:** What about Illinois? Have you heard about this?

**MW:** They are coming from all over. The Phoenix lights were huge, and that was a blatant cover-up. They said: "Oh yes. We were putting up flares." Flares fall. These Phoenix lights did not fall. They put flares up to try to confuse people.

**PH:** There is a division in the field of ufology as to the alleged benevolence or hostile nature of ETs, including implications that many violent abductions are staged Black Ops meant to propagate fear and suspicion against aliens. Do you concur regarding these violent abductions, and what is your opinion on the benevolent/hostile issue?

**MW:** There are minimalistic negative abductions. John Mack's new book [*Passport to the Cosmos*], which I just received from him, does point to a transformation of most abductees, as to multiple abductions by aliens alone, and yes, there have been somewhat sloppy abductions by humans parading as aliens or human-form aliens wearing human uniforms, and yes, there are anti-alien forces trying to confuse

# THE TWILIGHT ZONE

people about abductions. Military abductions are not as widespread as a lot of people think.

**PH:** Okay, now how would they do that? Are they cloned aliens or are they like holographic images?

**MW:** They are more like holographic images. As the matter of fact, I know of several cases when they [abductees] were able to put their arms and fingers through these so-called aliens which weren't aliens, and then occasionally they would see a uniform and a human. They made errors in the holographic program.

**PH:** The public is asking your opinion on the benevolent/hostile issue.

**MW:** Most are benevolent. Occasionally some get through the alien barrier, but they don't generally come back. They don't come back here once they are spotted and identified. Once they have hidden agendas, once they are identified, they are barred from coming here

**PH:** Who does this? Do we do this? Do the benevolent aliens...?

**MW:** Benevolent! [He laughs.] They are not goodie-goodie, but they don't want negative interference for the most part. They [negative aliens] might get through occasionally, and that is what anti-alien ufologists point out. But those are out of myriad races and they are few and far between.

I think John Mack is possibly one of the

best experts on this subject. I completely go along with him, and he has read my book and he does agree completely with me. He is telling it the way it is. He does not interpret data. He collects massive amounts of data. He says that these "so-called" negative abductions are one-tenth of one per cent of all the rest of them. It's ones who misinterpret deliberately who have anti-alien agendas and—we all know who they are—write in their books that they [grey aliens] are robotic; and no grey is robotic unless it is a holographic projection by humans. Next!

**PH:** Can you expand on the dual nature of man, and how you see it relating to the Hopi prophecies regarding the fate of our planet for the year 2012?

**MW:** I don't think we have anything to worry about. Gradually the whole world is going to know that we are not alone. There are two cable channels, the Discovery Channel and The Learning Channel, which never produce fiction: Discovery, to discover the truth, and The Learning Channel to learn about it. They have been producing positive evidence of alien intervention in human affairs to try to keep us away from such prophecies. Prophecies are not written in stone: they can be changed by man.

**PH:** They can be changed by man?

**MW:** Why do you think God gave "free will" rather than make us subjects of one "reality".

All the goodness has already been planted like trees and is sprouting. Read the book and read the truth in it...

**PH:** What about going into the "fifth world", as Native Americans believe—going from the "fourth world to the fifth"? Is that just a

world of enlightenment, then?

**MW:** It is more figurative; not literally a fifth world—I mean, we don't know even the "fourth" dimension. We can do the fourth dimension in math and physics. There are many dimensions—at least eleven.

**PH:** Are you still planning an appearance at the Star Knowledge conference in Atlanta, Georgia, this May 5th? If so, what will be the theme of your presentation there?

**MW:** No. I am going to be very busy working on "enlightenment programs" to let people know that most of the civilisations are just passing through like tourists, and those who are interested...I'd say the majority of those who are interested have plans for us that are "good" plans. They don't want us destroying ourselves. I'm working on *The Bright White Light Quartet*. I am also ill.

**PH:** We have heard that you are suffering from numerous maladies and complications. Do you have any requests for prayer and light in that regard from those who support you?

**MW:** I've already been receiving it and I am very grateful. Don't forget, for 48 years from the age of ten I have been exposed to toxic substances. That was part of my work, just like those who...that group in Area 51 who want a class action lawsuit, who have suffered from working on "black programs"—and so did I.

**PH:** Well. That's pretty clear.

**MW:** That's as clear as you're going to get!

(Source: from Paola Harris, Italy, e-mail paolaharris@hotmail.com)

## DR WEN HO LEE AND SECRET RESEARCH INTO INTERDIMENSIONAL PORTALS

by Richard Boylan, PhD © 2000

This story may exceed what you are accustomed to consider as reality. But because advanced research and development into extraterrestrial-derived technology has taken place for the last 50 years out of public view, the popular view of reality is almost five decades behind actual scientific achievements.

To process this story, it helps if you accept that the government is not totally forthcoming in the news stories it feeds the media. It also helps to realise that the government uses the word "nuclear secrets" as



Dr Michael Wolf, photographed with journalist Paola Harris.

a code-phrase for all kinds of secret advanced technology, such as antigravity propulsion and psychotronic remote-influencing devices, and not just for atomic weapons.

An ex-NSA consultant, who has been reliable in the past, informs me that government scientists working at Los Alamos "Nuclear" Laboratory, New Mexico, have succeeded in generating a holographic portal. They have used this portal to travel across space-time and possibly interdimensionally, and have seen into another world. What they saw there, my informant says cryptically, both frightened and intrigued them. He did not add any additional details.

This research would be a follow-on to previous successful, secret government research into time travel and teleportation. Los Alamos physicist Robert Lazar told about the government's Project *Galileo* research into time travel, which he was briefed on when he worked at the S-4 Base south of Area 51.

My NSA contact confirmed that the government has succeeded in time travel, but also considers it a dangerous technology. Teleportation research conducted at the Lawrence Livermore/Sandia National Laboratories, California, has had some successful results as well.

Certain extraterrestrial races have been using portals of their own devising to visit Earth. Now the US government, ever avaricious to copy ET technology, has created a primitive working model of its own.

Dr Wen Ho Lee, nuclear scientist in the headlines, worked on that holographic portal project, along with other scientists.

You will recall that Dr Lee was accused by the government of copying US "nuclear secrets" onto a non-secure computer tape. In the previously lax security environment of the professorial Los Alamos Labs, run by the University of California and accustomed to informal exchange of information among research colleagues, such "lapses of security" have been epidemic. If every LANL scientist who took short-cuts around certain security measures were prosecuted, Los Alamos would be a ghost town.

Why, then, was Wen Ho Lee singled out for such a severe and unconstitutional nine months of imprisonment without bail and defamation by headlines? What does Dr Lee know about portal secrets, that the government used the severest measures to

silence and discredit him?

Recently, a plea-bargain was entered into by the US government and Wen Ho Lee, in which 58 felony counts were dropped, and US District Court Judge James Parker apologised to Dr Lee for government misconduct which has "embarrassed this entire nation".

My ex-NSA consultant indicated that the plea-bargain was achieved because Dr Lee, like so many who work in National Security areas, created a "get out of jail free" card for himself. These scientists use self-protective measures such as stashing information embarrassing to the government in safety-deposit boxes or with trusted friends—with the proviso that, if anything should happen to them, the contents would be shared with the press.

The efforts of Dr Lee's family, many friends and the Asian-American community also helped create a public climate where Dr Lee was not going to serve quietly as a sacrificial lamb.

## Postscript

"They" did not want you to have this story. When my ex-NSA informant e-mailed me this information, someone penetrated his state-of-the-art encryption and implanted a virus which caused my server to freeze up on his exact message and not download it, and thus blockade all my other incoming e-mail messages. It took two days of work and technical support help to develop a go-around of the freeze-

bug. Now, I am a mild-mannered reporter, but when "they" try to prevent the truth from coming out, I just become more determined to have it see the light of day. And here you have it.

(Source: by Richard Boylan, PhD, LLC © 2 October 2000, PO Box 22310, Sacramento, California 95822, USA, tel +1 (916) 422 7479 (PDT), e-mail [drboylan@jps.net](mailto:drboylan@jps.net), websites [www.jps.net/drboylan/](http://www.jps.net/drboylan/), <http://DrRichBoylanReports.listbot.com/>)

## NINE DAYS BETWEEN WORLDS Dave Alan's Extraordinary Out-of-Body Experience by Rayelan Allan © 2000

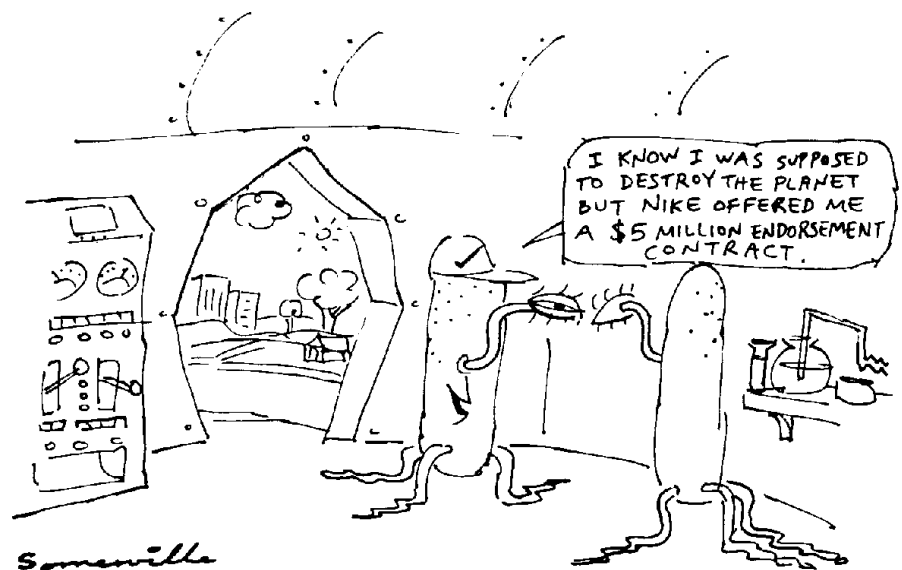
Talk America talk show host Dave Alan suffered a massive brain-stem stroke—the kind that is almost always fatal—and lived!

For nine days, while his body lay in bed, attached to machines that were keeping him alive, Dave Alan wandered around the hospital and talked to people who had died but were still trapped in the Earth plane.

He says, "They were afraid to go on."

Dave spent time talking with each of these souls. He was able to help them make the transition from this world to the next. When he had finished sending the souls to God, he came back into his body and awoke.

Most people who suffer a massive brain-stem stroke do not survive. Eighty-seven



# THE TWILIGHT ZONE

per cent of those who do survive are paralysed from the neck down. Most have lost their ability to speak and have brain damage.

Dave has *no* damage whatsoever to his mental capacities. His voice has changed, but *not* from the stroke. The damage to his voice came from the tubes that kept him alive. A tracheotomy had to be performed. The doctor says that he will have his voice back in a few more months. Dave's left arm and left leg are paralysed, but each day they are getting back to normal. A full recovery is expected.

But will he *ever* be the same?

Dave says his experience "between worlds" was so incredible that he is still "processing". He knows he will eventually write a book, because he *now knows* there are many other dimensions besides Earth, and he *also* knows that we are definitely *not* our body!

"We are spirit, and our spirit is too strong to be trapped by any body!" Dave says. "The experience showed me there are a lot of dead people that hang around hospitals. They are yoked down to Earth and unaware of *any* higher spiritual consciousness. When they die, they are lost. They don't know what's going on. They don't understand it. No one has ever told them what to expect.

"They just sit there...maybe forever, wondering where to go, or if they *can* go... if they are *allowed* to go. Some people...I mean, some of these souls didn't want to

listen to me. Others were listening, sitting there and looking at me.

"I was seeing people...beings who had died a long time ago, walking around lost... sitting...waiting. Some had no idea what they were waiting for. Some said they were waiting for St Peter to come get them. Others said they were waiting for Jesus to return and revive their body.

"They were in limbo. Some listened to me and followed what I told them to do. As they floated upward and disappeared into another dimension, I could feel their loving presence around me. I could hear their voices thanking me. They said they could see the light and hear voices. They thanked me for setting them free."

Dave says that he never went down any tunnels. He said that at no time did his body actually die; the machines kept it alive. But for nine days, he stayed "between worlds", at the opening of the tunnel—the one that went to other dimensions. This was where all sorts of souls who were afraid to leave the Earth plane had gathered. It seems as if God had sent Dave to help the souls go home.

Dave says that at other times he felt he was convalescing on another plane in what appeared to be a private home. On the wall, a little door opened up. "Two little...two-foot-tall beings... Indonesian-looking women" walked out of the door. They walked down the wall and popped up onto his bed.

They were very friendly and kept telling

him he was okay. They performed normal nursing jobs while they healed him and gave him light and love. They bathed him, changed his bed, took his temperature and did all the things a regular nurse does.

Dave says he had flowers in his room, and he could communicate with them. He said if he asked the flower to move to the left, it would. If he asked it to move in another way, it would move that way. He said he kept thinking that he wanted to call his kids in and let them watch the flowers as he made them dance.

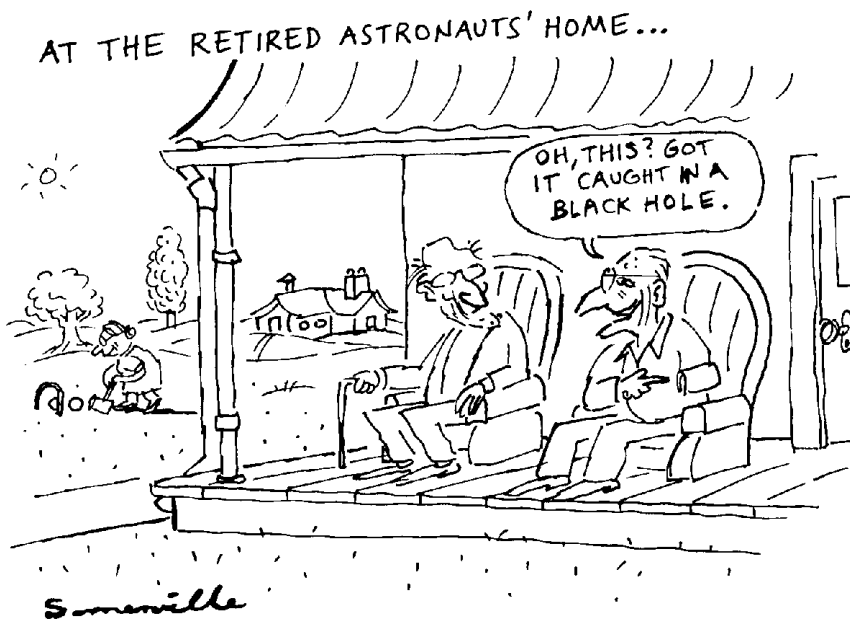
He could leave the house and walk down by the lake. He said that wherever he went there was always a glowing energy in the atmosphere, an energy that was different than the Sun's. In this place, he met beings who could shape-shift and become any kind of creature or animal they wanted. He said they performed in front of him because they wanted him to know that we are *not* our body—we are *much more* than our body. Dave Alan is no longer afraid of death.

Dave is currently looking for a ghost-writer who will help him write his book, which he was told will be a best-seller. He was also told that he didn't die in this life because there is a lot more work for him to do. Sharing the experience of what happened during his nine days "between worlds" gives people hope that when they die there is a whole new world waiting.

Back in the early 1990s, Dave was one of the only radio talk show hosts who was covering the New World Order and the erosion of liberty in the United States. His guests included leaders of the militia movements, constitutionalists, gun rights advocates and investigators of government crimes and corruption.

To get an idea of what Dave was like before the stroke, pull up this article written about him shortly after his stroke: [www.egroups.com/message/RuMills/296](http://www.egroups.com/message/RuMills/296).

Then listen to the New Dave Alan on the Talk America Radio Network: [www.talkamerica.com](http://www.talkamerica.com). Dave is on network #2 from Monday to Friday, 7 to 8 pm Pacific Daylight Time, and Sunday 10 pm to midnight PDT. You can leave a message for him at (888) 822 8255 (North America only). If you are local in the Santa Cruz, Monterey Bay area, you can listen to Dave on KSCO 1080 AM, same times as above. (Source: by Rayelan Allan, via Ru Mills, Rumor Mill News Agency, 24 September 2000, e-mail [rumills@mindspring.com](mailto:rumills@mindspring.com))









# REVIEWS

## BOOKS

Reviewed by Ruth Parnell

### ROGUE MESSIAHS: Tales of Self-Proclaimed Saviors by Colin Wilson

Publishers: Hampton Roads Publishing, USA, 2000; Virgin, UK, 2001 (to be published as "The Devil's Party" in March 2001, paperback only)

ISBN: 1-57174-175-5 (368pp hc, USA)

Price: £7.99; US\$22.95 + s&h

Available: **UK**—The Book Suppliers, tel 01206 255678; **USA**—Hampton Roads Publishing, tel (804) 296 2772, website www.hrpub.com

If there's a key message to be gleaned from Colin Wilson's latest book, *Rogue Messiahs*, it is that we are our own individual saviours, in control of our destiny without any need to give away personal power and truth to some self-proclaimed messiah.

It's astounding to see how history is littered with examples of apparently ordinary people who have become religious leaders, and over time have become violent, sexually promiscuous, paranoid and fanatical—and to see how history repeats itself. It's disquieting to realise how history is also repeated when ordinary people seeking something extraordinary can get so carried away that they lose their rational faculties and feed their leader's need for adoration and power. Some may even get caught up in crime.

Colin Wilson, prolific author of more than 80 books including *The Occult* and *From Atlantis to the Sphinx*, analyses the psychological make-up of these so-called "rogue messiahs" by delving into their personal histories and proclivities (but not necessarily

the wider conspiracy contexts), and the commonalities are both fascinating and disturbing. He describes a pattern that is more easily seen from the outside and often only seen in hindsight, but not by those in denial that their guru could be a cosmic conman.

Wilson doesn't dismiss spiritual teachers; it's just that so few of them *don't* get caught up in egotistical power trips. His narrative and insights could be helpful to those coming to terms with the disillusionment of realising that the object of their devotion may be more motivated by sex, power and profit than by love, spirit and truth.

### RULE BY SECRECY

by Jim Marris

Publisher: HarperCollins, USA, 2000

ISBN: 0-06-019368-9 (467pp hc)

Price: A\$54.95; NZ\$84.95; £25.00 inc. p&h; US\$27.00; C\$41.50

Available: **Australia/New Zealand/USA**—HarperCollins Publishers; **UK**—NEXUS Office, tel +44 (0)1342 322854

It's a brave thing to try to summarise the entire history of Western conspiracy thinking in one volume, but investigative journalist Jim Marris attempts just that in *Rule by Secrecy*, and does it rather well.

Marris, author of *Alien Agenda*, is one of the few writers whose overview of conspiracies takes in the ultimate "what if" scenario: extraterrestrials, and the secret societies that may ultimately be their front. Curiously, this is a question that many diehard conspiracy researchers refuse to allow into their orb of thinking. A pattern emerges where the same elite names crop up on the same boards of companies involved in secret defence business as in banking, biotechnology, chemicals, drugs, food, media and oil.

So many of these names are also members of secret societies, be they secular or occult-based. Marris brings out the usual suspects, from the CFR, TC and Skull and Bones to the Rothschilds and the Royal Institute of International Affairs.

He then traces their fingerprints through to the Nazi and Thule cults, and weaves into the web the Theosophists and earlier occult movements including the Illuminati, Freemasons and Rosicrucians, the Knights Templar and Merovingians. He sees the ultimate source of the lineage in Sumeria and the influence of the Anunnaki gods.

While by no means the last word, Marris's book nevertheless conveys a sense of how big the big picture really is. Without being drawn to either side of the political fence, Marris calls on ordinary people to become more aware of those powers who would force the surrender of individual and national sovereignty, and to break free of cycles of control that have hindered humanity's evolutionary progress for millennia.



# REVIEWS



## BOOKS

### MIND WARS:

#### The Battle For Your Brain

by Ian McFadyen

Publisher: Allen & Unwin, Aust, 2000

ISBN: 1-865083-16-X (226pp tpb)

Price: A\$22.95; NZ\$29.95

Available: **Australia**—Allen & Unwin, tel (02) 8425 0100, website [www.allen-unwin.com.au](http://www.allen-unwin.com.au); **New Zealand**—Archetype/Allen & Unwin, tel (09) 377 3800

NEXUS readers might expect a book called *Mind Wars* to be about mind control technologies employed by covert intelligence agency operatives against unsuspecting targets. But this incisive commentary by Ian McFadyen, an Australian TV comedy actor, scriptwriter and producer as well as a former science journalist, is about mind control minus the high-tech: intelligent humans who allow themselves to become slaves to self-perpetuating belief systems.

To explain his perspective, McFadyen coined the term "tenetics": the study of tenets and how they control the replication and evolution of doctrines—just like biological systems—which thus control human beings, behaviour and ultimately our history and evolution. I'm reminded here of the great teacher Krishnamurti's advice that true freedom is beyond dogma, beyond the known, and in an equally well-reasoned way McFadyen makes a similar point. It's ironic, he says, that those with higher academic intelligence may be most susceptible to mental programming. Is it any wonder how readily certain sci/tech advances can be so stymied by institutions of higher learning?

Is there any way out of this bind of the "human condition"? Is the human condition really just conditioning by abstract information systems—ideas that reproduce themselves in extradimensional space? And how do we really know what's true? McFadyen offers some mechanisms to help us transcend the mental constructs implanted by doctrines affecting life, particularly in science and the arts. He also encourages us to be ever vigilant, rigorous and courageous in seeking to know our own minds.

### THE DRAGON'S TAIL:

#### Rediscovering the Tenth Planet

by Anthony Austin & Brian Crowley

Publisher: IllumiNet Press, USA, 2000

ISBN: 1-881532-22-4 (246pp tpb)

Price: A\$35.00; NZ\$49.00; £14.95;

NLGfn/a; USD\$18.95 + s&h

Available: **Australia/NZ**—NEXUS offices; **UK**—Counter Productions, tel 020 7274 9009; **Europe**—Enquire NEXUS Office, tel +31 321 380558; **USA**—IllumiNet Press, tel (770) 279 2745; Adventures Unlimited, tel (815) 253 6390

There has been much speculation about the possibility that a planet exists beyond the orbit of Pluto. The Sumerians knew it as "Nibiru", according to Zecharia Sitchin; some astronomers refer to it today as "Planet X"; and Anthony Austin (Pollock) and Brian Crowley, in *The Dragon's Tail*, call it "Draco". In their second collaboration since their 1989 book, *Return to Mars: A Search for Humanity's True Origins*, Austin and Crowley argue that Draco is the cause of doomsday cataclysms of varying degrees affecting Earth every 892 years.

The authors plot the chart of the errant

mythological planet since the end of the last ice age, around 12,159 BC, taking in the next catastrophe around 10,373 BC, the end of Atlantis in 9481 BC, Noah's Flood in 3237 BC, the Exodus Comet of 1453 BC, Velikovsky's Event of 800 BC, and, most recently, the Little Ice Age of AD 1223. They say the next event, which could result in a new ice age, a planetary axis shift, catastrophic-scale tsunamis, earthquakes and volcanic eruptions, is expected at Draco's next perihelion, when it is closest to Earth in the year 2115. And all that from a planet which is not yet acknowledged by science!

The authors of *The Dragon's Tail* owe much to Mother Shipton, and suggest this next flypast could be the one she foresaw. Could the "Dragon's tail" be the debris from this next planetary near-miss? Sprinkling scientific findings with mythology and eyewitness accounts from earlier civilisations, the authors are somewhat self-indulgent in getting their message across and also resort to wild speculation, which makes their thesis more difficult to digest than need be.







# REVIEWS

## BOOKS

### MENACE IN THE MOUTH?

by Dr Jack Levenson, with Dr Robert Hempleman & Dr Tony Lees

Publisher: Brompton Health, UK, 2000  
ISBN: 0-9534734-23-0 (312pp tpb)  
Price: £12.00 inc. p&h in UK; foreign orders, telephone the Clinic for prices  
Available: **UK**—Brompton Health Clinic, London, tel +44 020 7370 0055

According to Dr Jack Levenson, "there is nothing in medicine that can remotely compare with the health benefits achieved when mercury amalgam fillings are removed from sensitive patients". From my own experience, I'd have to concur with Dr Levenson. In *Menace in the Mouth?*, he explains why dental mercury is such a poisonous substance—and how considerable health benefits can be obtained by having it removed. Sweden has been a forerunner in the fight to ban the substance, and as of January 1999 its dental health insurance system no longer pays for amalgam fillings.

Mercury has had a long history over the millennia as a poison, though it has been used in dentistry in China since the 7th century because of its ability to dissolve other metals and recombine to harden into a solid mass. Experimentation started seriously in the early 1800s, and by the late 1870s mercury amalgam fillings had gained widespread professional and popular acceptance, despite a number of scientific papers linking mercury with a range of diseases.

Dr Levenson has been a vocal opponent of dental mercury for the last 20 years or so. He is currently president of the British Society for Mercury-Free Dentistry and is an

executive committee member of the Environmental Medicine Foundation. He is joined in this book by two other experts: Dr Robert Hempleman on root canal fillings, and Dr Tony Lees on the dangers of fluoride. If you've ever had niggling feelings about your mercury amalgam or root canal fillings, then read this book because it provides the kind of scientific back-up you need to take corrective action, whatever your dental health condition or symptoms.

### EXTRATERRESTRIAL CONTACT: The Evidence and Implications by Steven M. Greer, MD

Publisher: Crossing Point, USA, 1999  
ISBN: 0-9673238-0-0 (526pp tpb)  
Price: £16.50 inc. p&h; US\$19.95 + US\$9.95 p&h in USA/Canada, + US\$19 to Aust/NZ/Asia, + US\$15 elsewhere  
Available: **UK**—NEXUS Office, tel 01342 322854; **USA**—Crossing Point, POB 265, Crozet, VA 22932, tel 1-888-DR-GREER, fax (540) 456 8303, www.drgreer.com

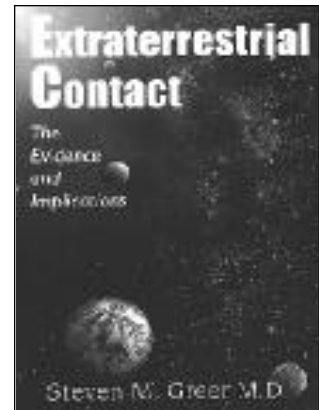
This is the kind of definitive book on the UFO/ET phenomenon that we would expect from one of the planet's most well-informed authorities on the subject: Steven Greer, MD, Founder and International Director of CSETI, the Center for the Study of Extraterrestrial Intelligence.

Not that Greer has actually had a close encounter of the first kind, but he has seen a UFO. He has also amassed an enormous amount of data from civilian and covert military sources around the world, and has established a vast reporting/ briefing network which ultimately might tip the balance towards UFO disclosure by the authorities. Due to his research and networking, he has

briefed President Clinton's first CIA Director Woolsey on CSETI's Project *Starlight*, addressed Congress and the UN and met with senior Pentagon officials.

So Dr Greer is well credentialed to posit this question in the first part of his book, *Extraterrestrial Contact*: what does the UFO/ET phenomenon mean? He discusses the implicit geopolitics and interplanetary relations, the possible terrestrial effects of disclosure, and the bigger reality of how space, time and mind are interrelated. The second part he devotes to key cases in recent decades, and the next part to an overview of CSETI Project *Starlight*, dedicated to explaining and overcoming UFO secrecy and promoting official disclosure. In the final part, he documents some of the huge *Starlight* paper trail in CSETI's dealings with the US government and its agencies.

Time will tell just how effective CSETI's lobbying is, but you have to admire the persistence and courage of Dr Greer and colleagues in trying to get the message through to our terrestrial powerbrokers.



# REVIEWS



## BOOKS

### MYSTERIES OF ANCIENT SOUTH AMERICA

by Harold T. Wilkins

Publisher: AUP, USA, 2000 (first published in 1947)

ISBN: 0-932813-26-7 (190pp tpb)

Price: A\$33.00; NZ\$48.00; £14.00 inc.

p&h; NLGfn/a; US\$14.95 + s&h

Available: **Aust/NZ/UK/Eur**— NEXUS offices; **USA**—Adventures Unlimited Press, PO Box 74, Kempton, IL 60946, tel (815) 253 6390, e-mail auphq@frontiernet.net, website www.wexclub.com/aup

This latest title in the Atlantis Reprint Series from Adventures Unlimited Press was first published in 1947. *Mysteries of Ancient South America*, by Harold T. Wilkins, is considered a classic in its genre but has been out of print for some time.

Wilkins travelled to South America in 1939 to try to verify his theory that Atlantis, or the ruins of an ancient Atlantean colony, might be found in unexplored parts of Brazil and the land further west. His conclusion was that a giant cataclysm had struck the planet in 9753 BC, to be precise, and that the New World had not escaped unscathed. The sacred Guatemalan *Popul Vuh*, for instance, describes "a great flood followed by a thick rain of bitumen and resin" which "accomplished the ruin of the race of man which was given up to destruction".

In this fascinating sourcebook, Wilkins uncovers old manuscripts, books and an "Atlantean" alphabet which all give description to the ancient civilisations which flourished around Brazil in antiquity. He sheds

light on the so-called "missionary men in black" who, according to traditions around the world and this region particularly, would suddenly appear to warn people of imminent disasters and just as quickly disappear.

Wilkins digs up enticing evidence for subterranean pre-Inca tunnels and strange lights and lost cities in the Amazon jungle. His discussion regarding the antiquity of the ruined city of Tiahuanaco is fascinating in view of recent geological findings and discoveries of artefacts beneath Lake Titicaca (see *Twilight Zone*, 7/06).

### THE BOOK OF MAGNET HEALING

by Roger Coghill

Publisher: Gaia Books, UK, 2000;

Simon & Schuster, Australia, 2000

ISBN: 0-7318-1020-1 (127pp tpb)

Price: A\$29.95; NZ\$34.95; £10.99

Available: **Australia**—Simon & Schuster, tel (02) 9415 9900; **NZ**—Macmillan, tel (09) 415 6677; **UK**—Gaia Books, 20 High Street, Stroud, GL5 1AZ, tel 01453 752985; **Europe**—Enquire NEXUS Office, tel +31 (0)321 380558

Well-known UK research biologist and author Roger Coghill has written a very practical guide in *The Book of Magnet Healing*. He brings to it the benefit of years of investigation, some of it gained in recent times through Coghill Research Laboratories which conducts empirical research into EM phenomena and their effects on health.

Coghill first takes us through the fundamentals of natural magnetism and discusses modern magnetic materials, endogenous fields, ions and geomagnetic variations.

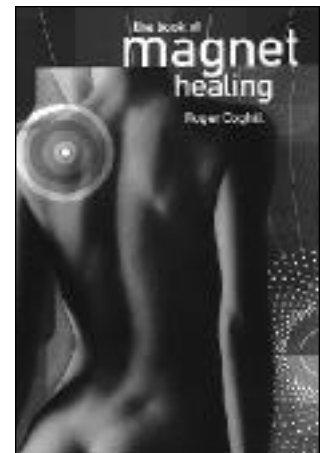
Next, he explores how artificial magnetic and electric fields can be detrimental to health, and he gives handy hints on how we

can protect ourselves in domestic and office environments (sometimes the best advice is to move!). He then describes the effects of power and high-voltage lines, electrified train lines, cellphones and transmitters, and summarises key case studies which link such EMFs with ill health.

In the third section, Coghill explains how and why magnets can help the natural course of healing in many common conditions including arthritis, constipation, cystitis, headaches, inflammation, insomnia, menstrual cramps, and muscle and joint pain.

He gives guidance on how to choose the right type of magnet for which condition and apply them therapeutically. He looks at the benefits of magnetised water and gives tips on treatments for plants and animals.

Some excellent resources are listed at the back of this jizzily designed book (the supplier information is mostly UK-based), and there are plenty of scientific and medical references that you can follow up.





# REVIEWS

## BOOKS

### THE BOOK OF ENOCH THE PROPHET

translated by Richard Laurence

Publisher: AUP, USA, 2000 (first published in 1883 by William Clowes, UK)  
ISBN: 0-932813-85-2 (189pp tpb)  
Price: A\$35.00; NZ\$49.00; £15.50 inc. p&h; NLGfn/a; US\$16.95 + s&h

Available: **Aust/NZ/UK/Eur**— NEXUS offices; **USA**—Adventures Unlimited, tel (815) 253 6390, [www.wexclub.com/aup](http://www.wexclub.com/aup)

One of the Bible's most famous "lost books" is the Book of Enoch the Prophet, unearthed in Abyssinia (now Ethiopia) in 1773 by Scottish explorer James Bruce. Discovered as three manuscripts, it was translated into English from an Ethiopian Coptic script, held in the Bodleian Library, by Archbishop Richard Laurence in 1821, according to the frontispiece. Successive editions culminated in the 1883 version, reprinted here by AUP. It is believed the text was written in the 2nd or 1st century BC in Hebrew or Aramaic and was later translated into Greek, then into Ethiopian Coptic and Latin.

The Book of Enoch was an important influence on the early Jewish and Christian writers, but it was never included in the Christian canon. Its themes include apocalyptic visions, the actions of angels and demons, the Messianic age, the New Jerusalem, the Resurrection and the Final Judgement. Enoch, the son of Cain, communicates with the "fallen ones", whose interference in human affairs resulted in the introduction of evil into the world, and he is

instructed through visions from angels of light to tell these "outcasts" of their fate. The Book of Enoch is replete with parables, history, sacred science, dream symbolism, prophecies and much righteousness.

Enoch's transportation to Heaven, where he was supposedly shown the secrets of the Universe, has parallels in recent times with the explorations of Dr James Hurtak as described in his 1973 book, *The Keys of Enoch*. This book is important background for anyone interested in the bigger history of the Bible and intrigued to know why the Church fathers deemed to omit the Book of Enoch from the Old Testament.

### PYRAMIDS IN THE PACIFIC

by Rex Gilroy

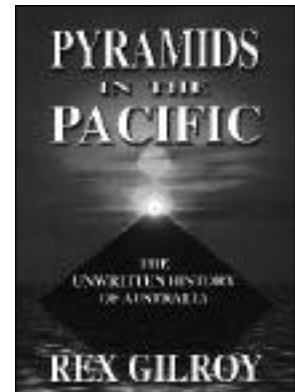
Publisher: Uru Publications, Aust, 2000  
ISBN: 0-646-39633-1 (319pp l/f tpb)  
Price: A\$50.00 + A\$5.00 p&h in Aust; overseas orders add A\$10.00 p&h  
Available: **Australia**—Australian Pacific Archaeological Research Centre, PO Box 202, Katoomba NSW 2780, tel +61 (0)2 4782 3441, [randhgilroy@mpx.com.au](mailto:randhgilroy@mpx.com.au)

Amateur archaeologist and historian Rex Gilroy has devoted decades to exploring Australia's hidden history—one that is not so readily acknowledged by mainstream academics. He's been the bane of university archaeology departments and the National Parks & Wildlife Service, yet fêted by thousands of ordinary people who have told him their stories of extraordinary discoveries and events in their lives. He has a style of his own and an admirable determination, having always self-funded his expeditions.

Gilroy's latest book, *Pyramids in the Pacific*, has been a work in progress for many years and has been enhanced by his

recent trips to New Zealand, though its focus is largely on Australia. Some of the material Gilroy touched on in *Mysterious Australia* (1995), but in this new, large-format volume he details more of the bigger picture that has both Australia and New Zealand settled in ages past by a megalithic people—whose writing might arguably be the world's first script—and visited by umpteen cultures in the last few thousand years.

Rex, together with Heather, his wife and devoted co-fieldworker, has uncovered an incredible array of evidence suggesting that the Great South Land had been a mining colony for waves of ancient Aryans, Sumerians, Egyptians, Phoenicians, Celts, Amerindians, Chinese, Japanese, Romans, Arabs and Polynesians, long before the Europeans (the Spanish, Portuguese, Dutch, French and British) found their way. The remnant artefacts, inscriptions, coins, sculptures, monuments and structures (including the so-called Gympie Pyramid) deserve to be studied seriously for their heritage value as well as for the revised historical perspective they offer the world.



# REVIEWS



## BOOKS

### THE VIVAXIS CONNECTION: Healing Through Earth Energies by Judy Jacka, ND

Publisher: Hampton Roads, USA, 2000  
ISBN: 1-57174-208-5 (304pp tpb)  
Price: A\$41.80; NZ\$52.95; £14.99;  
US\$16.95

Available: **Australia**—Gemcraft, tel (03) 9888 0111; **NZ**—Peaceful Living, tel (07) 571 8105; **UK**—Airlift Book Co., tel 020 8804 0400; **USA**—Hampton Roads Publishing Co., tel (804) 296 2772, website www.hrpub.com

The concept that we all have a "Vivaxis" energy connection to the Earth was pioneered by Canadian researcher Frances Nixon in the 1960s. Australian naturopathic doctor Judy Jacka worked with Nixon from 1979 and has found Vivaxis science to be "a remarkable development in restoring and harmonising body energies".

The Vivaxis (a term meaning "life axis") is a sphere of energy created during the last two weeks before birth, which connects our etheric and electromagnetic energy fields with the Earth's. We are connected to this sphere by a two-way flow of energy—a circuit—through life, no matter how far we travel from its location. This connection, comprising both vertical and horizontal energy waves, can be recognised through dowsing and related techniques. When interference to our Vivaxis occurs, whether from chemical, electromagnetic or psychological sources, the flow of subtle energy in our physical bodies becomes chaotic and our immune and nervous systems are affected, thus causing ill health. But when that

Vivaxis link is properly restored, our bodies can readjust and become healthy again.

Nixon also discovered that we have body receptors, each receptor point responding to a particular frequency of a mineral essential for health (iron, calcium, magnesium, etc.) and receiving mineral frequencies from the Earth via our Vivaxis and the planet's energy layers. This observation has huge potential indeed in natural healing applications.

Judy Jacka has produced a comprehensive guide to understanding Vivaxis dynamics and applying this life energy via 29 simple exercises that have diagnostic, cleansing and revitalising purposes for the individual as well as the environment. An important contribution to 21st century medicine.

### DOLPHIN HEALING by Horace Dobbs

Publisher: Piatkus, UK, 2000  
ISBN: 0-7499-2079-3 (368pp hc)  
Price: A\$32.83; NZ\$44.95; £10.99  
Available: **Australia**—Hodder Headline, tel (02) 8248 0800; **NZ**—David Bateman Ltd, tel (09) 415 7664; **UK**—Piatkus Books, tel 020 7631 0710; **USA/Canada**—General Publishing, tel (416) 445 3333

Dolphins may have become the darlings of New Age adherents, but there's good reason to reassess their wonders in terms of first-hand scientific and medical research. In *Dolphin Healing*, his 10th book on the subject, Horace Dobbs, founder of The Oxford Underwater Research Group, puts a personal spin on his work (and play) with dolphins over more than two decades.

He describes what inspired him to research dolphins in the first place, how he discovered their communicative magic and healing powers, and how he has explored the thera-

peutic, transformational approach of swimming with dolphins. Having studied dolphins in the wild, Dobbs turned his attention to recreating interactions under artificial conditions. Here he recounts a number of moving cases: children and adults who have been cured of deep depression, whose terminal cancers have regressed, who have recovered from trauma, who have awoken from autism to speak their first words—all because of dolphin-assisted therapy. It seems clear that such interaction can have positive physical, emotional and spiritual effects, but even Dobbs suggests it is best coupled with other conventional and/or complementary treatments.

Dobbs looks at scientific evidence that dolphin ultrasounds can stimulate T-cell production, thus being of help to patients with compromised immune systems. The more we know about sound therapy, the more this makes sense. He also reinforces the idea that dolphins can provide a channel through which love can flow—and love is the greatest vibrational healing energy of all!





# REVIEWS

## BOOKS

### REALM OF THE RING LORDS

by Laurence Gardner

Publisher: MediaQuest, UK, 2000

ISBN: 0-9537686-7-8 (422pp hc)

Price: £18.99 in UK; £26.00 to Aust/NZ;

US\$36.95 inc. s&h to USA/Canada

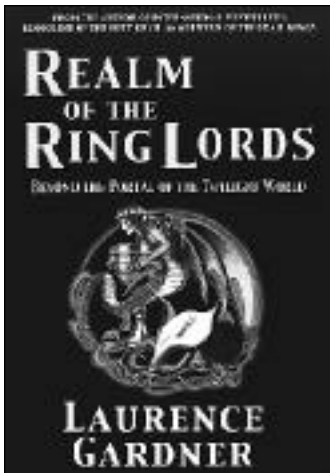
Available: UK—NEXUS Office, tel +44

(0)1342 322854, fax +44 (0)1342 324574,

e-mail nexus@ukoffice.u-net.com

NEXUS Conference-goers and readers have already had a sneak-peek into the territory of Sir Laurence Gardner's new book, *Realm of the Ring Lords* (see 6/05–6). It's complementary to *Bloodline of the Holy Grail* and *Genesis of the Grail Kings* in that it pursues the mythology and history of a quest that was concurrent with, if not one and the same as, the Grail: the Ring Quest.

The symbolism of the Ring, representing wholeness, unity and eternity, goes back at least 5,000 years, Gardner explains, to the "earliest of Sumerian and Scythian times" and the influence of the so-called Anunnaki overlords. The Ring lore, preserved in fairy tales, myths and the Western collective



memory, is actually based on historical personalities and events. But these great narratives of questing, like those of the Grail, were subverted and trivialised by the Church from the time of the Dark Ages, for at their core was the goal of individual enlightenment—which was anathema to an institution hellbent on controlling souls and minds.

Thus scenarios depicting pixies, elves, fairies, gnomes, goblins and sprites, and tales featuring Cinderella, Robin Hood, the Sleeping Beauty and Count Dracula, are more than mere fantasy. Here, Gardner brings them back to life (aided, too, by some beautiful colour plates) within historical contexts and human dramas as Dragon Queens and Albigenian Grail Kings of the

Elven bloodline, and he re-establishes their long-lost lineages in a series of detailed genealogical charts.

The Western spiritual and cultural heritage comes from a source more ancient than religious and academic teachings concede.

Gardner admits he can only scratch the surface of the culture of concealment, but he does an admirable job in awakening us to a vast, rich, underground stream of history.

### MYSTERY IN ACAMBARO

by Charles H. Hapgood

Intro & Foreword by D.H. Childress

Publisher: Adventures Unlimited Press,

USA, 2000 (first published in 1973)

ISBN: 0-932813-76-3 (153pp tpb)

Price: A\$33.00; NZ\$48.00; £14.00 inc.

p&h; NLGfn/a; US\$14.95 + s&h

Available: Aust/NZ/UK/Eur— NEXUS

offices; USA—Adventures Unlimited, tel

(815) 253 6390, www.wexclub.com/aup

A curious collection of fired clay figurines was discovered in Acámbaro, central Mexico, in 1944 by Waldemar Julsrud, a local German businessman and amateur archaeologist. In the mid-1960s, geologist/anthropologist Charles Hapgood (author of *Maps of the Ancient Sea Kings* and *Path of the Pole*), together with Earle Stanley Gardner (author of the Perry Mason mysteries) set out to determine the alleged antiquity of the bizarre objects, many of which depicted dinosaur- and monster-like creatures, sometimes in the company of humans and even reptilian alien figures.

In 1973, Professor Hapgood wrote an unpublished booklet, *Mystery in Acámbaro* (reprinted here in full), wherein he discusses the feasibility of these figurines being sourced from an ancient culture, and the results of radiocarbon tests that suggest the artefacts could be anywhere from 6,500 to 3,100 years old. Thermoluminescence testing yielded a date of 2500 BC: 4,500 years old, and coinciding with the occupation of the Pyramid of Cuicuilco, according to Hapgood. Yet the source and purpose of these clay figures, 33,500 objects in all, still eludes definitive explanation.

Author/explorer David Hatcher Childress has reprinted Professor Hapgood's study and adds his own embellishments with a foreword titled "Did dinosaurs survive until recently?", and an introduction, "The Reality of Dragons". If these artefacts are ancient, we have to question how such images were known to the local people, and Childress suggests there is evidence that dinosaurs still exist in remote parts of the world. But if they are recent, this means they are a hoax. Yet looking at the photos, you have to marvel at the sheer numbers of figurines produced and the imagination employed.

# REVIEWS



## VIDEOS

Reviewed by Duncan Roads

### THE SECRET NASA TRANSMISSIONS: "THE SMOKING GUN"

Produced by UFO Central Home Video, USA, 2000 (PAL/VHS & NTSC/VHS, 90mins)

Price: £16.99 inc. p&h; US\$29.00 + p&h

Available: **UK**—*UFO Magazine*, Ilkley, West Yorks., tel 01943 816611, website [www.ufomag.co.uk](http://www.ufomag.co.uk); **USA**—UFO Central Home Video, 2321 Abbot Kinney Blvd, Suite 201, Venice, CA 90291, tel 1800 350 4639, e-mail [ufocentral@earthlink.net](mailto:ufocentral@earthlink.net), website [www.ufocentral.com](http://www.ufocentral.com)

This tape is rumoured to be "the most popular underground tape among astronauts", and I can sort of see why.

Approximately one hour of this 90-minute video is taken up by a fascinating interview with Martyn Stubbs. Stubbs is a former cable TV station manager from Canada, who, over a period of five years, used his station's resources to record over 2,500 hours of NASA's downlink signals from space shuttle missions.



He describes in detail how, using split-frame viewing techniques, he was able to obtain evidence of two different life-forms, both of which appear to live in the near-space region of Earth. These two life-forms are distinct from UFOs, I should point out.

Stubbs also relates how he took his findings to the relevant agencies and experts for explanation.

This is all-important background information, and, though it takes up about two-thirds of the tape, it helps you make more sense of the final 30 minutes as you already know something of what is being shown and what to look out for in the frames.

All in all, a totally fascinating subject, and one I'm sure we will hear more about.

### OUT-OF-BODY EXPERIENCE: A GLIMPSE OF IMMORTALITY

Produced by Wagner Alegretti and Nanci Trivellato for IIPC, 2000 (PAL/VHS & NTSC/VHS, 56mins)

Price: £22.00 + £2 p&h; US\$29.00 + p&h

Available: **UK**—International Institute of Projectiology and Conscientiology, London, tel +44 020 7723 0544, e-mail [London@iipc.org](mailto:London@iipc.org); **USA**—IIPC, New York, tel +1 (212) 869 4595, 1800 778 3778 (toll free in US), e-mail [newyork@iipc.org](mailto:newyork@iipc.org), website [www.iipc.org](http://www.iipc.org)

Regular readers of NEXUS will have worked out by now that I am already an ardent advocate of research into "out-of-body experiences" (OBEs), but this video has inflamed my interest even more.



As well as being a top-quality presentation in terms of special effects, sound, etc., it is also top quality in terms of clarity of information. The video starts off with a special-effect sequence of an OBE, ending with the sudden "return to body" of the central character who proceeds to investigate his experience at the International Institute of Projectiology and Conscientiology (IIPC). It continues with some of the most interesting lecture footage on this subject that I have ever encountered.

The video covers scientific research and laboratory experiments conducted to prove the reality of the OBE. It also explores exercise techniques to enhance conditions conducive to OBEs. It contains first-hand accounts from students at the Institute; reveals techniques for psychic protection and energy recharging; and examines the many types of OBE experience reported by millions of people around the world.

This is the perfect video for anyone interested in astral projection, OBE, remote viewing and the like. It is extremely informative and well produced. Above all, it contains practical and useful tips to get one started immediately.



# REVIEWS

## MUSIC

Reviewed by Richard Giles

### AFRIKA WASSA

by Vieux Diop

Producer: Brian Keane for Triloka, USA, 2000 (59mins)

Distributors: **Australia**—Festival Records, tel (02) 9395 8000; **USA**—Triloka, tel 1800 578 4419 (toll-free in Nth America), website [www.triloka.com](http://www.triloka.com)

Vieux Diop has made many quality albums in tribute to his African homeland and heritage. "Afrika Wassa" means "New Africa", and this is his praise for what Africa will become. The laid-back sound of Senegalese songs of land, work and longing is heartfelt. Vieux is backed here by Brian Keane, Neal Clarke, Tony Cedras, Bakithi Kumalo, Faruk Tekbilek and many others. The music is light, happy and rhythmic, conveying a feeling of support for the many trials and joys of life.

### MASTER MUSICIANS OF JAJOUKA

featuring Bachir Attar

Producer: Talvin Singh for Point Music/Universal Music Co., 2000 (66mins)

Distributors: **Australia/NZ/UK/USA**—Universal Music, website [www.universalclassics.com](http://www.universalclassics.com)

The Master Musicians of Jajouka are from the foothills of the Rif Mountains, south of Tangier in Morocco. Born into a special musicians' family, they have received royal patronage for centuries. In traditional Morocco, musicians are considered magicians who possess the power to heal and communicate with the spirits of the land and animals. In 1968, Brian Jones of The Rolling Stones was introduced to these men and their music in Jajouka, and then brought their uniqueness to the world. Talvin Singh mixes Indian tradition with North African to present an energised, hypnotic performance by the Master Musicians.

### FIESTA BRASIL

by various artists

Producer: Dan Storper for Putumayo World Music, NY, USA, 2000 (45mins)

Distributors: **Aust**—MRA, tel (07) 3849 6020; **USA**—Putumayo, tel (212) 625.1400, website [www.putumayo.com](http://www.putumayo.com)

Another excellent Putumayo compilation, this explores the music of Brazilian reggae and the accordion-led *fornó* dance music style. All are very danceable tracks that use accordion, triangles and percussion. The predominant musical style is from the north-eastern areas of Brazil, and it is very much

influenced by the sounds of Bob Marley. In Brazil, one of the fundamental human rights is the freedom to party, and *Fiesta Brasil* is a recorded statement of this most important right. A jaunty, peppy album of dance.

### COUSTEAU'S DREAM

A Benefit Album

Producer: Terence Yallop for Real Music, CA, USA, 2000 (56mins)

Distributors: **Aust**—MRA Ent., tel (07) 3849 6020; **USA**—Real Music, tel (415) 331 8273, website [www.realmusic.com](http://www.realmusic.com)

The Real Music company donates a proportion of income from album sales towards Earth repair projects via the EarthSea Institute which it founded in 1989. For this compilation, musicians Vangelis, Yanni, Kitaro, Kenny G, Tim Wheeler, Richard Burmer and more have contributed tracks in aid of The Cousteau Society and other groups aiming to see the oceans and the entire planet preserved and protected. This is a beautiful mix of ambient and passionate poetry and power.

### THE GOLDEN PORTAL

by Xumantra

Producer: Marco Dolce for Dreambird Music, Xonic, NJ, USA, 2000 (49mins)

Distributor: **USA**—Xonic, tel +1 (908) 876 9967

Marco Dolce (Xumantra) has performed throughout Europe and the US in fields as diverse as jazz, rhythm and blues, funk and Afro-Cuban. His musical explorations have taken him to the sounds of the singing bowls and sacred metals of gongs, bells and kalimbas to create music both gentle and powerful. For *The Golden Portal*, his third album, he blends the singing bowls with acoustic instruments (nothing synthesised), creating each composition as a sonic message. This is a beautiful exploration of subtle, melodic and ancient tones.







Continued from page 34

came up. I suggested that rapidly vanishing support both in South America and Europe was threatening the military operations of "Plan Colombia" and the economic boost it would give the US economy. Tyree jumped in: "If I can put Canada in line and show the eurodollar, the 'Eurotrash', what I have already done to my neighbour, whom I value to some degree... Remember, these are not nice people: these are financial thugs at their worst. So what they are going to do is sit down discreetly and say, 'Look, this is what we did to Canada. Now, would you like us to do this to the European market as well?' Mike, they're not going to think twice about it... A weapon is only good if someone knows what its capability is. Prior to using the atomic bomb, it was irrelevant... They refer to it as the *Nagasaki syndrome*."

After describing in some detail how the financial powers-that-be had gutted American manufacturing productivity through globalisation, he described a strategy intended to halt any move by the euro to overshadow the dollar or even compete with it. It was pure economic hostage-

taking, and Canada would be the object lesson. Then, chillingly, he described something familiar to any military strategist. The penetration and looting of HUD was the test bed, the proving ground, the "White Sands" of the Promis economic atomic bomb. Once the CIA and the economic powers-that-be had proven that over a period of years they could infiltrate and loot \$59 billion from HUD, they knew they could do it anywhere. Said Tyree: "Then they knew they had what it took to go abroad and create mayhem... It was planned twenty years ago."

It took several days to reach Sean McDade, as he had been on vacation. I played the Tyree tape for him over an open phone line into RCMP headquarters. He asked me to make a physical copy right away and send it to him. After he'd had time to listen to it, he cautioned me against sending it anywhere else. I told him that as long as his investigation was active, I would do nothing more than make the standard copies I make of any sensitive documents as a precaution.

I could tell that the tape had rattled him. Though I had known from the start that the large and energetic Mountie, whom I

believed to be a dedicated and honest man, would never be allowed to ride his case out to the end, I still had hopes. But in my heart I knew that Tyree was right. In all the years he had been feeding me information, I had never known him to be wrong—and apparently, neither had Bill Hamilton.

I did not send a copy of the tape to Hamilton because I knew how difficult and potentially dangerous McDade's job was going to be, now that the press had exposed him. Having been a cop in dangerous political, CIA-infested waters, I knew what it was like not to know whom you could trust. If keeping the tape quiet would give the Mounties an edge, I would do it—but only as long as they had a case.

### EXIT THE MOUNTIES

Then it was over. On September 16th, the *Toronto Star* announced that the RCMP had suddenly closed its Promis investigation with the flat disclaimer that it did not have and never did have any version of Bill Hamilton's software. That was as shocking a statement as it was absurd.

"The only way that you can identify

Continued on page 82

Continued from page 81

Promis," said a perplexed Bill Hamilton, "is to compare the code. Sean McDade said that he was not an engineer and couldn't read code, so how did he know?"

Hamilton was as emphatic as I was that McDade had said that RCMP had Promis. So was Cheri Seymour. I offered a fleeting hope that the Mounties were playing a game, saying that they had terminated the investigation to shake some of the incessant probing that had been taking place around McDade's every move.

I was finally convinced when McDade e-mailed me and said that it was his view that the Mounties did not have any version of Promis and that he had no objections if I decided to write a story. I then agreed with Seymour that, whether they had said so or not, both the Mounties and Sue Todd had left enough visible footprints that it was their intention for us to go public. It might be the only protection they had.

As I had predicted from the start, they had come too close to bigger issues and been shut down ruthlessly. I called Sue Todd who lamented that she was marking her three-year homicide investigation,

"Closed by the press". Even though she was convincing, I had the feeling that she was playing back a rehearsed script. I told her that I was not satisfied with the statements that there was no Promis in the RCMP. I recalled our lunchtime conversation of August 3rd. She agreed with me that the RCMP mission was to determine whether or not RCMP Promis was a stolen or compromised version. She knew that they had it. So did I. I e-mailed McDade one last time, saying that I was going to write it like I remembered it. He never got back to me.

Bill Hamilton added one last twist when he told me in a conversation that the Mounties claimed to have developed their software on their own. That, he said, was nonsense because the Mounties did not have that kind of sophistication or ability. He thought that the RCMP program had been specially prepared by the FBI. That would explain the role of retired FBI agent Ted Gunderson. Though I didn't tell him at the time, I knew that he had obtained that information from Bill Tyree. And Bill Tyree and his provider, the Sergeant Major, are two people that Bill Hamilton and I have both learned to respect.

### References

Visit the following websites for additional information:

- [www.capricornholdings.com/index3.htm](http://www.capricornholdings.com/index3.htm)
- [www.ccrs.nrcan.gc.ca/ccrs/org/ccrsorge.html](http://www.ccrs.nrcan.gc.ca/ccrs/org/ccrsorge.html)
- [www.lycaem.org/books/books/last\\_circle/](http://www.lycaem.org/books/books/last_circle/)
- [www.newsmakingnews.com/catharvardmain.htm](http://www.newsmakingnews.com/catharvardmain.htm)
- [www.opengis.org/info/gisworld/OGC.LM.htm](http://www.opengis.org/info/gisworld/OGC.LM.htm)
- [www.opengis.org/gdin\\_exec\\_order.htm](http://www.opengis.org/gdin_exec_order.htm)

### Editor's Note:

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